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MICHIGAN TRAFFIC ACCIDENT FACTS 1981

prepared by the
Michigan Department of
State Police

PREFACE

The state's traffic death toll in 1981 reflected the lowest number of fatalities in 18 years. Traffic accidents claimed 1,589 lives.

Compared with 1980, fatalities were down 10.4 percent, injuries were down 5.9 percent and total accidents were down 3.7 percent.

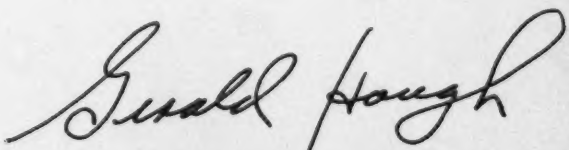
Another significant factor on the plus side was the Michigan all-time low death rate of 2.6 per 100 million miles of travel. This was down from the previous all-time low of 2.9 registered in each of the previous two years, 1979 and 1980.

Exposure factors in 1981 show motor vehicle registrations down 6.5 percent to 6.14 million; motor vehicle travel mileage up 1.3 percent to 62 billion; and the number of licensed drivers up 7.3 percent to 6.87 million.

Factors influencing the lower traffic death toll and rate in 1981 were felt to include the lower speed limit, a slower paced economy in some sectors, operating costs of motor vehicles, and the on-going traffic safety efforts of police and other agencies.

Data on accidents in this booklet were obtained from individual reports and summaries provided by local police departments, sheriff jurisdictions, and the Department of State Police. Other related information was obtained from the Departments of Transportation, State, and Public Health.

Grateful appreciation is expressed to all involved agencies for their assistance.



Colonel Gerald L. Hough, Director
Michigan Department of State Police

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1981 QUICK FACTS

There were 302,831 reported accidents of which 91,388 were personal injury and 209,990 were property damage accidents.

A traffic accident was reported every 1 minute 44 seconds.

Children under the age of 15 accounted for 54.5 percent of the bicycle deaths.

One person was killed every 5 hours and 31 minutes as a result of a traffic accident.

Of those fatal accidents where the drinking condition was determined, 56.7 percent indicated that alcohol was a factor.

There were 136, 455 persons injured, crippled and maimed.

One person was injured every 3 minutes and 51 seconds in a traffic accident in Michigan.

The economic loss in Michigan traffic accidents amounted to $1, 159, 970, 000.

For each person killed there were 85.9 persons injured.

Excessive speed was indicated as the hazardous action by 24 percent of the drivers involved in fatal accidents.

Of the 2,192 drivers involved in fatal accidents, 13.9 percent were under 20 years of age and 33.0 percent of all drivers involved in fatal accidents were under 25 years of age.

Of all fatal accidents, 26.5 percent occurred at intersections.

In the last five years, 9,238 persons have been killed in Michigan traffic accidents. This is an average of 1,848 per year. During the previous five-year period, 10,112 persons were killed for an average of 2,022 per year.

One out of every 5,837 persons living in Michigan was killed in traffic accidents, one out of every 68 persons was injured.

The 1,589 persons killed were the result of 1,453 fatal accidents for an average of 1.09 deaths per fatal accident.

59.6 percent of all accidents occurred in URBAN areas, BUT 66.4 percent of all traffic deaths occurred in RURAL areas.

The pedestrian death toll for Michigan stands at 274 persons. This represents a decrease of 13 deaths from the 1980 figure.

For each pedestrian killed, there were 16.9 injured.

Of the pedestrians killed, 38 percent were killed while crossing streets other than at intersections.

Of all pedestrians killed 32.8 percent were under the age of 20 years and 27.7 percent were 55 and older.

During the past five years, a total of 1,598 pedestrians have been killed, an average of 320 per year.

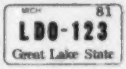
Of the 704,469 vehicle occupants involved in accidents, only 78,470 or 11.1 percent were using occupant restraints.

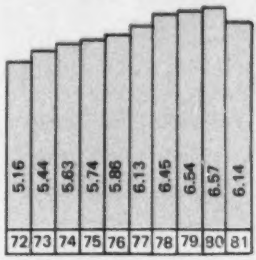
MICHIGAN TRAFFIC TRENDS 1972-1981

(A 10 Year Comparison)

MOTOR VEHICLE REGISTRATIONS

Millions of Vehicles

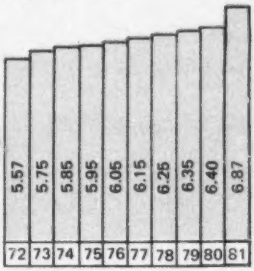




UP 19%

LICENSED DRIVERS

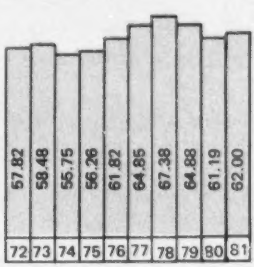
Millions of Drivers



UP 23%

VEHICLE MILES TRAVELED

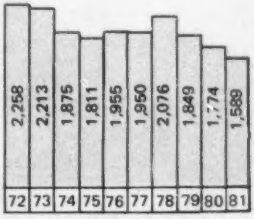
Billions of Miles



UP 7%

DEATHS

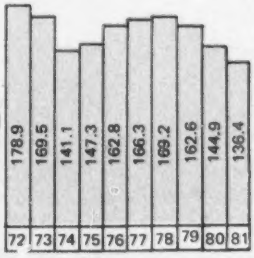
Number of Deaths



DOWN 30%

INJURIES

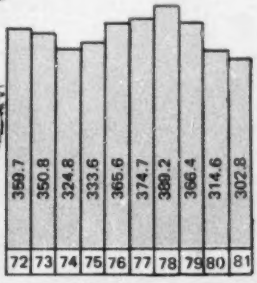
Thousands of Injuries



DOWN 24%

ACCIDENTS

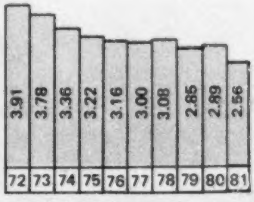
Thousands of Accidents



DOWN 16%

MILEAGE DEATH RATE

Deaths Per 100 Million Vehicle Miles



DOWN 65%

A fatality was counted when a person died due to injuries from a traffic accident, up to one year after the accident. Starting in 1979 this time period was reduced to 90 days after the accident.

1980 - 1981 SUMMARY TRENDS

- Total accidents decreased 3.7% statewide.
- Fatal accidents decreased 8.1%.
- Persons killed decreased 10.4%.
- Injury accidents decreased 5.5%.
- Persons injured decreased 5.9%.
- Persons sustaining "A" type injuries (the most serious) decreased 7.5%.
- Vehicle occupants, driver and passenger deaths decreased 12.1%.
- Non-vehicle occupants, pedestrians, bicyclists, motorcyclists, farm equipment and other deaths decreased 6.3%.
- Drinking was a factor in 56.7% of all fatal accidents where the drinking condition was reported, a decrease of 1.9%.

Annual Summary	1980	1981	Percent Change
NUMBER OF ACCIDENTS			
Total Accidents	314,594	302,831	-3.7
Fatal Accidents	1,582	1,453	-8.1
Personal Injury Accidents	96,763	91,388	-5.5
Property Damage Accidents	216,249	209,990	-2.9
PERSONS KILLED			
Male	1,233	1,141	-7.5
Female	541	448	-17.2
Total	1,774	1,589	-10.4
Drivers	850	770	-9.4
Passengers	403	331	-17.9
Pedestrians	287	274	-4.5
Bicyclists	63	44	-30.1
Motorcyclists	147	150	+2.0
Farm Equipment	5	4	-20.0
Other	19	16	-15.8
Total	1,774	1,589	-10.4
DRINKING IN FATAL ACCIDENTS			
Had Been Drinking	900 (57.9%)	814 (56.7%)	-9.5
Had Not Been Drinking	655 (42.1%)	620 (43.3%)	-5.3
PERSONS INJURED			
"A" Injury	21,448	19,842	-7.5
"B" Injury	47,101	43,713	-7.2
"C" Injury	76,423	72,900	-4.6
Total	144,972	136,455	-5.9
PERSONS IN ACCIDENTS			
Killed and Injured	146,746	138,044	-5.9
Not Injured	665,962	640,604	-3.8
Total	812,708	778,648	-4.2

The decreases in occupant "A" type injuries are very likely the result of decreases in exposures and speeds.

The continuous presence of alcohol as a factor in accidents indicates a need for more legislation in the accident field whereby all drivers involved in accidents would be subjected to a chemical test to determine their blood-alcohol content.

As a measure of accomplishement, Michigan's death rate per 100 million miles has been driven downward from an all-time high of 16.8 in 1935 to the all-time low of 2.6 for this year. Applying the 100 million mile death rate unit to the past three decades will reveal marked progress in the effort to save lives on the state's highways.

A multi-factored effort may be credited with this overall improvement and rests largely on some rather exhaustive participation by several disciplines. Improved highway engineering techniques, technical advances in automobile design and manufacture, emergency medical treatment advancement, better trained drivers and the efficient use of selective enforcement have all been responsible for this better experience.

Traffic accidents, in general, result from various causes, direct and indirect. The three elements of traffic; the driver, the highway and the motor vehicle, contribute, in some measure, to every accident. A preponderance of evidence, however, points to driver error as the chief cause of the majority of accidents.

Many common driver failures can be cited as contributory factors in accidents. Without any particular priority, enforcement investigation shows irresponsible attitude, lack of skill, inattention, fatigue, physical impairment, lack of knowledge and failure to drive defensively as accident-producing factors. It may be noted that the more experienced driver compensates for many of these self-induced mistakes, drawing on learned skills and experiential techniques.

Significantly, driver age group 15 - 24 represents 24.3 percent of the total licensed drivers in Michigan. However, they account for a disproportionate number of all accidents at 32.9 percent and an involvement of 33.0 percent in all fatal accidents. Comparing other ten-year age groupings with this record underscores the high risk potential of the group and strengthens conclusions drawn from past law enforcement experiences.

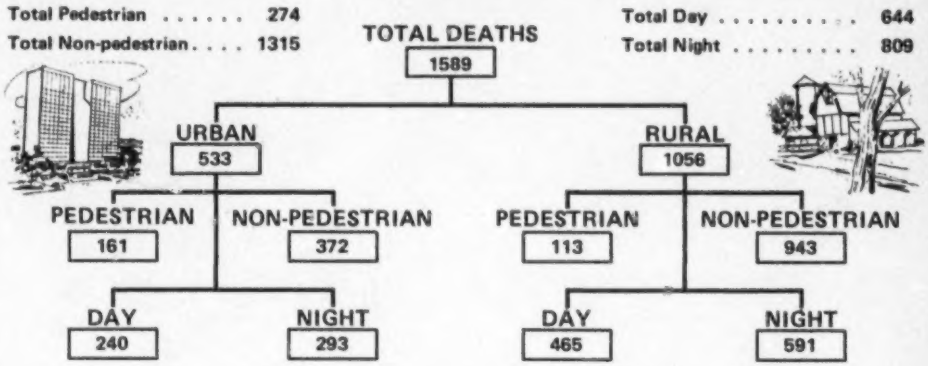
One of the best prospects for accident reduction and safer driving is the continuation of driver education efforts and driver improvement programs. Michigan can currently boast of a national award-winning driver education program, high school oriented and administered by the Department of Education. This program enrolls 97 percent of eligible students in qualifying courses annually. Driver improvement schools, relating to the courts, work to reestablish proper driving skills and attitudes in problem drivers.

With the entrance of the Federal Government into the state traffic safety field (Highway Safety Act of 1966) an acceleration of research and development is producing promising dividends. Variables such as highway design, attitudinal research and program studies are being given a closer look with an eye toward more comprehensive accident prevention planning. Conclusions cannot be easily reached and the complexity of the total problem demands intensified enforcement participation.

With exposure factors of increased traffic continuing to mount, it is obvious that every effort must be made to implement effective programs. The combined Federal-State jurisdictions will need maximum support from officials and citizens alike if the present trend is to be continued and more lives are to be saved.

PRINCIPAL CLASSES OF MOTOR-VEHICLE DEATHS

Two out of every three deaths in 1981 occurred in places classified as rural. In URBAN areas, 30 percent of the victims were pedestrians and in RURAL areas 76 percent of the victims were occupants of motor vehicles. Fifty-six percent of all deaths occurred in night accidents.



FATAL ACCIDENTS BY DATE AND MONTH

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
01.	4	4	2	2	5	6	5	10	2	1	3	2	46
02.	2	6	4	3	5	3	4	9	4	3	2	5	50
03.	8	3	5	7	4	4	8	6	7	8	2	2	64
04.	2	1	2	5	5	3	3	4	1	5	3	2	36
05.	1	2	7	1	5	9	6	8	6	3	3	11	62
06.	3	4	2	1	2	7	3	1	5	6	6	3	43
07.	4	7	3	3	4	8	3	5	5	3	5	4	54
08.	5	4	3	3	2	6	*	7	3	1	1	3	38
09.	2	1	2	3	5	2	2	9	5	3	2	3	39
10.	3	4	2	2	3	4	5	5	11	8	2	1	50
11.	1	1	1	6	2	5	4	4	7	12	*	3	46
12.	2	*	5	4	*	3	3	2	7	6	3	5	40
13.	2	3	1	*	2	10	5	7	4	2	4	11	51
14.	2	1	4	4	2	8	4	5	5	4	11	5	55
15.	2	3	2	2	5	3	5	7	1	4	2	5	41
16.	4	5	4	5	7	*	3	2	4	3	5	5	47
17.	3	1	3	9	5	3	3	3	2	5	3	4	44
18.	*	6	4	8	2	5	7	2	7	5	4	8	58
19.	5	3	1	2	3	5	5	6	8	*	2	5	45
20.	3	5	2	2	3	8	7	4	4	4	7	2	51
21.	2	7	6	2	4	5	4	8	5	4	3	6	56
22.	2	3	5	6	2	6	7	8	2	2	2	3	48
23.	3	1	4	1	3	3	4	7	1	6	3	7	43
24.	4	4	4	6	1	3	3	5	3	3	3	7	46
25.	3	3	2	6	5	5	11	1	3	5	4	2	50
26.	*	5	7	2	2	4	4	3	8	5	2	3	45
27.	3	2	3	4	3	4	3	2	5	4	3	5	41
28.	4	5	6	2	2	5	4	6	5	3	2	2	46
29.	3		1	2	4	4	6	3	5	*	2	4	34
30.	1		*	5	8	1	7	9	4	9	2	3	49
31.	8		3		3		2	6		11		2	35
TOTALS. . .	91	94	100	108	108	142	140	164	139	138	96	133	1453

*Deathless Day Holiday Period

PERSONS KILLED BY DATE AND MONTH

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
01	4	4	4	2	6	6	5	10	2	1	3	2	49
02	2	6	5	3	5	4	4	9	4	3	2	5	52
03	11	3	5	8	5	4	10	6	9	8	2	2	73
04	2	1	2	6	5	3	3	4	1	5	5	2	39
05	1	2	7	1	5	10	8	8	6	3	3	14	68
06	3	4	2	1	2	7	3	1	6	8	7	4	48
07	4	8	3	3	4	10	3	5	5	3	6	5	59
08	5	4	3	3	2	7	*	8	4	1	1	5	43
09	2	1	4	3	5	2	2	9	5	4	2	3	42
10	3	4	2	2	4	4	5	6	12	9	3	2	56
11	1	1	1	6	2	6	6	4	8	16	*	3	54
12	2	*	5	5	*	3	5	2	7	6	3	5	43
13	2	3	1	*	2	10	6	8	4	3	4	11	54
14	2	1	4	4	2	9	4	5	5	4	12	6	58
15	2	3	2	2	5	3	6	7	1	5	7	5	48
16	6	5	4	6	8	*	3	2	4	3	5	5	51
17	3	1	3	9	5	3	3	3	2	6	3	4	45
18	*	6	4	10	2	6	7	2	7	5	4	8	61
19	5	3	1	2	3	5	6	7	10	*	3	5	50
20	4	7	2	2	3	8	7	4	4	5	7	2	55
21	2	8	6	2	4	5	4	8	6	4	4	6	59
22	4	5	5	6	2	6	8	9	2	2	5	3	57
23	3	1	4	1	6	4	4	9	1	6	3	8	50
24	4	4	4	8	1	3	4	5	3	3	3	7	49
25	3	3	2	6	5	5	13	1	3	5	5	2	53
26	*	5	7	2	2	5	4	3	8	5	2	3	46
27	3	2	3	4	3	5	5	2	5	5	3	6	46
28	4	5	9	2	2	7	4	6	5	3	2	2	51
29	3		1	2	4	4	6	3	6	*	2	6	37
30	1		*	5	9	1	9	9	4	10	2	4	54
31	8		3		3		2	6		14		3	39
TOTALS	99	100	108	116	116	155	159	171	149	155	113	148	1589

*Deathless Day Holiday Period

This year Michigan experienced 11 deathless days on Michigan highways.

MICHIGAN TRAFFIC ACCIDENT FACTS FOR VARIOUS TIME PERIODS

Accident Facts	During 1981			Yearly Comparison		% Change
	Per Day	Per Week	Per Month	1980	1981	80-81
Deaths	4.3	30.5	132	1,774	1,589	-10.4
Injuries	373	2,624	11,371	144,972	136,455	-5.9
Accidents	829	5,823	25,236	314,594	302,831	-3.7
Cost of Accidents	$3,178,000	$22,307,115	$96,664,166	$1,206,320,000	$1,159,970,000	-3.8
Drivers Involved	1,369	9,609	41,641	517,829	499,699	-3.5
Vehicles Involved	1,371	9,623	41,699	518,634	500,391	-3.5

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MOTOR VEHICLE DEATHS, MILEAGE AND RATES BY MONTH

Month	Traffic Deaths					1981 Percentages		
	1977	1978	1979	1980	1981	Percent Deaths	Percent Miles Driven	Death Rate*
January	126	98	102	117	99	6.2	9.0	1.8
February	87	104	103	131	100	6.3	7.8	2.2
March	122	128	129	109	108	6.8	7.2	2.4
April	143	177	152	116	116	7.3	8.0	2.3
May	184	178	146	153	116	7.3	7.8	2.4
June	179	203	155	170	155	9.8	8.2	3.0
July	223	206	190	142	159	10.0	8.8	2.9
August	194	229	171	183	171	10.7	9.2	3.0
September	164	214	174	192	149	9.4	8.8	2.7
October	189	199	187	152	155	9.8	8.6	2.9
November	181	183	171	133	113	7.1	8.8	2.1
December	158	157	169	176	148	9.3	7.8	3.0
TOTALS	**1,950**	**2,076**	**1,849**	**1,774**	**1,589**	**100.0**	**100.0**	**2.6**

***Deaths per 100 million vehicle miles.**

In 1981 the highest death total was in August. Over the five year period August is the highest average, followed by July.

MICHIGAN BICYCLE ACCIDENTS

In 1981, there were 44 bicyclists killed and 3,822 injured in 4,326 total reported accidents involving bicycles and motor vehicles. The number killed was 19 less than in 1980, but injuries recorded were 0.2% higher.

Children under 15 years of age accounted for 24 or 54.5 percent of the bicycle deaths in 1981.

Generally, three out of five bicyclists are killed in rural areas. In 1981, rural deaths were 32 and there were 12 in urban areas. Past experience indicates that urban areas have two to three times as many bicycle injuries and total reported accidents compared with rural experience and this was true again in 1981.

Age of Persons Killed	1977	1978	1979	1980	1981
0 - 4 years	2	3	3	4	1
5 - 9 years	8	16	9	14	11
10 - 14 years	17	18	17	20	12
15 - 19 years	10	15	10	14	7
20 - 24 years	3	2	3	3	4
25 - 34 years	1	2	8	4	4
35 - 44 years	2	0	0	0	1
45 - 54 years	0	0	2	4	1
55 - 64 years	0	2	0	0	1
65 - 74 years	0	0	0	0	1
75 and over	0	1	0	0	1
Not Stated	0	0	1	0	0
TOTALS	**43**	**59**	**53**	**63**	**44**

Age of Persons Injured	1977	1978	1979	1980	1981
0 - 4 years	64	48	61	48	62
5 - 9 years	676	688	651	625	558
10 - 14 years	1,374	1,443	1,420	1,360	1,382
15 - 19 years	893	861	965	990	949
20 - 24 years	274	259	306	331	389
25 - 34 years	141	168	204	258	276
35 - 44 years	45	51	73	62	78
45 - 54 years	32	29	24	37	43
55 - 64 years	20	22	25	29	27
65 - 74 years	14	16	19	21	13
75 and over	4	8	7	13	10
Not Stated	30	26	35	41	30
TOTALS	**3,567**	**3,619**	**3,790**	**3,815**	**3,822**

Detailed information can be obtained on Michigan Bicycle Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

MICHIGAN MOTORCYCLE AND MOTOR SCOOTER DATA

Motorcycle & Motor Scooter Data	1977	1978	1979	1980	1981
Registrations	260,816	242,706	251,210	254,129	243,858
Deaths	161	160	126	148	153
Death Rate*	6.2	6.6	5.0	5.8	6.3
Estimated Mileage**(million)	782,448	728,505	753,630	762,387	731,574
Death Rate***	20.5	22.0	16.7	19.4	20.9

***Based on 10,000 cycle registrations.**
****Based on 3,000 miles per cycle.**
*****Based on deaths per 100 million vehicle miles traveled.**

From 1978 thru 1980, motorcycle registrations were on the rise, but this year there was a 4.0 percent decrease over 1980, compared with a 6.5 percent decrease in total motor vehicle registrations.

There were 6,261 accidents which involved a motorcycle. Of these accidents 2.4% were fatal accidents, and 82.6% were injury accidents.

Based on deaths per 10,000 registrations, mortality rate for motorcycles is 6.3 while deaths for all vehicles is 2.6 per 10,000 registered.

There are no accurate mileage figures for motorcycles, but estimates range from 3,000 to 5,000 miles per year for personal cycles. Such figures indicate that the mileage death rate, based on rider deaths only, may range between 12.5 and 20.9 (deaths per 100 million vehicle miles of travel). This compares with the 1981 death rate for all motor vehicles of 2.6 per 100 million miles which includes pedestrian and other nonoccupant deaths as occupant deaths. There were 311 mopeds involved in accidents. In the 311 moped accidents, four persons were killed and 296 were injured.

Detailed information can be obtained on 1981 Michigan Motorcycle and Motor Scooter Data by contacting the Michigan Department of State Police, Traffic Services Division.

MICHIGAN RAILROAD ACCIDENTS

Of the 359 grade crossing accidents which happened in Michigan during 1981, 18 were fatal accidents in which 21 persons were killed. Approximately 75 percent of the vehicles struck were passenger cars. The rest were mostly trucks with 5 motorcycles involved.

Nearly four out of five drivers involved in these type accidents were local residents who were either driving too fast and were unable to stop or disregarded the traffic signal.

During the daylight hours 179 or 50% of the train accidents occurred.

Detailed information can be obtained on Michigan Railroad Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

MICHIGAN MOTOR VEHICLE-DEER ACCIDENTS

Michigan had 21,242 reported motor vehicle-deer accidents during 1981 in which 2 persons were killed as a result of the collision. Approximately 76 percent of the vehicles involved were passenger cars.

Accidents involving deer occurred most frequently during the fourth quarter (51%) and the second quarter (21%) of the year for a total of 72 percent of all car-deer collisions.

Approximately 61 percent of the drivers involved were local residents with 70 percent of the accidents occurring during hours of darkness.

Contrary to common belief, motor vehicle-deer accidents are happening in Michigan's southern, heavily populated counties, Kent County being the highest with 898 deer accidents.

Detailed information can be obtained on Motor Vehicle-Deer Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

1981 SNOWMOBILE ACCIDENTS

	1980 - 1981						1979 - 1980		
	No. of Accidents				No. of Persons				
Type of Accident	Total*	Fatal	Injury	PD	Killed	Injured	Accidents	Killed	Injured
Overturned.	70	0	68	2	0	73	75	1	77
Other Non-collision	77	2	74	1	2	78	53	6	48
Collision with:									
Pedestrian	5	0	5	0	0	5	11	1	14
M.V. in Transport	139	5	77	57	5	99	80	7	68
M.V.-Other Roadway	0	0	0	0	0	0	0	0	0
Parked M.V. . . .	24	2	15	7	2	18	25	3	14
Railroad Train . .	0	0	0	0	0	0	2	1	1
Pedalcyclist. . . .	0	0	0	0	0	0	0	0	0
Animal	6	0	3	3	0	4	3	0	0
Fixed Object. . .	156	12	131	13	12	148	145	9	145
Other Object. . .	15	0	13	2	0	13	21	0	20
TOTALS.	**492**	**21**	**386**	**85**	**21**	**438**	**415**	**28**	**387**

***Includes 243 Traffic Accidents – 249 Non-traffic Accidents**

Snowmobile accidents in Michigan have increased 18.5 percent, while registrations have decreased 21.1 percent since the last snow season. Statistics show Michigan had 69,251 registered snowmobiles during the 1968-1969 snow season. The latest statistics now show Michigan has registered 368,421 snowmobiles.

The popularity of snowmobiling has brought with it many complications, particularly those pertaining to safe operation. Accidents resulting in deaths decreased during the last snow season, but the number of injuries increased.

Snowmobiles in the State of Michigan are not a passing fancy to be dealt with lightly; there must be continuous concern to improve the safety for all persons involved in snowmobiling.

Detailed information can be obtained on 1981 Michigan Snowmobile Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

MICHIGAN FARM EQUIPMENT ACCIDENTS

A total of 348 accidents involving farm equipment were reported on Michigan roadways during 1981. Of these accidents, 285 were the result of a collision with another vehicle. In 66 of these accidents, both vehicles were traveling in the same direction resulting in a rear-end collision. Of these accidents, 69.5 percent happened during daylight hours and 75.0 on dry roads.

Farm equipment accidents claimed the lives of 5 persons on Michigan roadways during 1981. Four of the persons killed were drivers or passengers on the farm equipment and were killed in collisions with another motor vehicle. Of the drivers involved in farm equipment accidents 84.1% were males.

Detailed information can be obtained on Michigan Farm Equipment Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

OPERATION C.A.R.E.

The year 1981 saw Operation C.A.R.E. in full swing, again providing additional enforcement and traffic safety awareness during the Memorial Day, Fourth of July and Labor Day weekends. The program is again 100% federally funded through a grant from the Office of Highway Safety Planning. This year's grant totaled $500,000 with $360,000 being scheduled for personnel services (patrol overtime, field supervision and headquarters coordination). The remaining $140,000 was used for public education and program material and supplies.

Troopers worked in excess of 4,100 hours of overtime on traffic patrol during each of the holiday weekends. This increased patrol was responsible for generating in excess of 25,000 motorist contacts and approximately 260 DUIL arrests; 10,000 traffic citations; 7,000 verbal warnings and 2,400 motorist assists over each of the three weekends.

Approximately 50 C.B. radio clubs assisted Operation C.A.R.E. by maintaining safety breaks at numerous rest areas and parking lots throughout the state. Thousands of items of traffic safety literature were distributed as motorists stopped to take a break and enjoy the refreshments provided them by the clubs. It is estimated that nearly one million cups of coffee and cold drinks were distributed over the three holiday weekends.

In September of 1981, the Michigan Office of Highway Safety Planning completed a thorough evaluation of the last three years performance of Operation C.A.R.E.

Summary of findings include:

. . . the average number of accidents on all roadways was lower on the C.A.R.E. holiday weekends than the non-holiday weekends.

. . . personal injury accidents on trunkline roadways were reduced 7.4% due to C.A.R.E.

. . . traffic fatalities have decreased on the C.A.R.E. holiday weekends 9.4% when compared to non-holiday weekends.

The chart shown below compares the summer holiday weekend figures before C.A.R.E. with C.A.R.E. - - - the number of fatalities continue to drop.

HOLIDAY DEATH COUNT

Year	Memorial Day	July 4th	Labor Day
1974		34	25
1975	28	27	25
1976	34	19	31
1977	32	34	
			18
C 1978	25	23	31
A 1979	17	12	31
R 1980	23	25	26
E 1981	12	22	17

OCCUPANT RESTRAINTS

As of 1981, Michigan did not have a law requiring the use of safety restraints by all vehicle occupants. Other countries have been very successful in passing a law requiring the use of safety restraints by all vehicle occupants, which has caused significant reductions in deaths and injuries.

In reviewing the Michigan restraint data, it is very obvious that there is a great need for more voluntary compliance in restraint usage. Of the total occupants involved in accidents, only 11.1 percent were using restraints, up from 10.3 percent in 1980. There is a need to change the public attitudes; this approach is a long term comprehensive, informational and educational program designed to impact an entire population through small group communication techniques.

Vehicle Occupant Restraint Data	Total Occupants		Occupants In Fatal Accidents		Occupants In Injury Accidents		Occupants Prop. Damage Accidents	
Using Restraints	78,470	11.1%	176	5.4%	21,925	9.5%	56,369	12.0%
Not Using Restraints	568,511	80.7%	2,788	85.8%	191,839	83.2%	373,884	79.4%
Usage Unknown	57,488	8.2%	285	8.8%	16,917	7.3%	40,286	8.6%
TOTAL OCCUPANTS	**704,469**		**3,249**		**230,681**		**470,539**	

	Monthly Percentage of Occupant Restraint Usage												
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1978	15.7	14.5	13.6	12.7	12.8	12.3	12.2	11.7	11.9	11.7	12.2	12.0	12.8
1979	12.8	11.8	11.6	10.8	11.0	10.5	10.6	10.8	10.8	10.6	11.2	11.3	11.2
1980	11.0	10.9	11.1	10.3	9.0	8.2	9.6	9.9	10.4	10.8	10.7	11.1	10.3
1981	11.1	11.1	10.9	10.2	10.1	10.5	10.9	10.5	11.5	11.4	11.3	12.4	11.1

AGE OF MAJORITY ACCIDENT DATA
18 - 20 Years Old

One of the most publicized aspects of the drinking and driving problem has been the emphasis on the "young driver", 18 to 20 years of age. Very diverse opinions as to the significance of the data exists among the concerned interest.groups.

The Michigan data reveals that the young drivers are in a downward trend (80-81) since a steady upward trend (74-78). Year 1979 was the first year the drinking age was 21 since 1972.

In an attempt to display the most pertinent information, the following schedules have been selected from the complete study for this publication.

DRINKING DRIVERS INVOLVED IN ACCIDENTS

	18 - 20 YEARS				ALL AGES			
ACCIDENT TYPE	1979	1980	1981	80 - 81 % Change	1979	1980	1981	80 - 81 % Change
All	9,627	9,056	7,659	-15.4	60,834	56,459	51,205	-9.3
Fatal	161	164	125	-23.8	931	938	827	-11.8
Injury	4,431	4,062	3,439	-15.3	27,122	25,430	23,157	-8.9
Property Damage	5,035	4,830	4,095	-15.2	32,781	30,091	27,221	-9.5

ALL DRIVERS INVOLVED IN ACCIDENTS

	18 - 20 YEARS				ALL AGES			
ACCIDENT TYPE	1979	1980	1981	80 - 81 % Change	1979	1980	1981	80 - 81 % Change
All	95,011	75,398	68,092	-9.7	524,337	517,829	499,699	-3.5
Fatal	363	344	262	-23.8	2,519	2,345	2,192	-6.5
Injury	28,525	23,203	20,835	-10.2	188,848	163,417	155,578	-4.8
Property Damage	66,123	51,851	46,995	-9.4	432,970	352,067	341,929	-2.9

DRINKING DRIVERS IN PERCENT OF ALL DRIVERS INVOLVED IN ACCIDENTS

	18 - 20 YEARS				ALL AGES			
ACCIDENT TYPE	1979	1980	1981	80 - 81 % Change	1979	1980	1981	80 - 81 % Change
All	10.1	12.0	11.2	-0.8	9.7	10.9	10.2	-0.7
Fatal	44.4	47.7	47.7	0.0	37.0	40.0	37.7	-2.3
Injury	15.5	17.5	16.5	-1.0	14.4	15.6	14.9	-0.7
Property Damage	7.6	9.3	8.7	-0.6	7.6	8.5	8.0	-0.5

DRIVERS ARRESTED FOR DRIVING UNDER THE INFLUENCE OF LIQUOR (D.U.I.L.) – (UCR)

	18 - 20 YEARS				ALL AGES			
ARRESTS	1979	1980	1981	80 - 81 % Change	1979	1980	1981	80 - 81 % Change
Total	4,332	4,005	4,443	+10.9	41,937	41,032	47,511	+15.8
Male	3,955	3,628	3,991	+10.0	38,406	37,299	42,795	+14.7
Female	377	377	452	+19.9	3,531	3,733	4,716	+26.3

BREATH TESTING

Act No. 253, Public Acts of 1967, which became effective November 2, 1967, created "Implied Consent" in Michigan.

Under the National Highway Safety Act, the Federal government provided Michigan with financial assistance to purchase breath testing equipment and train officers in the use of the equipment. A training program was initiated with the cooperation of Michigan State University, Michigan Department of Public Health, Michigan Law Enforcement Officers Training Council and the Michigan Department of State Police. Training consisted of a comprehensive 40-hour course which was conducted at Michigan State University.

Michigan State University ceased active participation in the program in October, 1978, and the Department of Public Health and Department of State Police continued to train officers, through cooperative efforts, at the Michigan State Police Training Academy and the Detroit Metropolitan Police Academy. Effective April 1, 1981, the Legislature delegated the responsibility of certifying all breathalyzer equipment and operators to the Department of State Police. All 40-hour schools are now conducted by Michigan State Police personnel at both the Michigan State Police Academy and the Detroit Metropolitan Police Academy.

Police agencies from throughout Michigan participate in the program. By June of 1982, approximately 5,380 officers will have been trained. In addition to the initial training program, officers are required to be recertified annually during one-day regional training sessions to maintain their proficiency of operation and to keep abreast of the many changes in law and procedures. Currently there are nearly 2,000 active operators.

Initially, 246 breathalyzers and 248 simulators were received during the grant period. In 1979 an additional 156 breathalyzers were purchased and distributed to participating agencies. All units are maintained and serviced through a scheduled program by certified inspector-operators from the Michigan State Police and Detroit Police Department.

Test Results	Number of Tests	% of Total Tests	% of Arrests
.00 to .07	1,617	3.8	
.08 to .099	1,089	2.5	
.10 to .149	10,022	23.3	
.15 and over	30,342	70.4	
Total breath tests	43,070	100.0	78.3
Total tests refused*	11,944		21.7
Total persons arrested	55,014		100.0

*Based on refusal forms received by Department of State (includes information on certificates of conviction).

Blood-alcohol levels of .04 are definitely associated with increased accident involvement according to studies. When the alcohol level reaches .06, the probability of causing an accident is twice that of the no-alcohol level,at .10 the probability is six times greater and at .15 it is 25 times greater than if the driver were sober.

DUIL arrests increased in 1981, 4% over 1980. In 1981, 7,657 arrests were made for drunk driving at the accident scene.

1981 DRIVER INFORMATION

While the crash phase and post-crash phase are important for the prevention of injury and death in all age groups, the pre-crash phase is especially critical among young drivers. What are his attitudes, motivations, perceptions and reactions behind the wheel in the critical minutes and seconds before the "point-of-no-escape"? Excessive speed and loss of control, etc., may occur at any age, but never more than among young drivers.

Effective October 6, 1980, legislation was passed which removed the requirement for a road test from students who had successfully completed a Driver Education Course.

Sex of Driver	NUMBER OF DRIVERS			
	Total	Fatal	Injury	Property Damage
Male	342,088	1,732	103,007	237,349
Female	157,611	460	52,571	104,580
TOTALS	**499,699**	**2,192**	**155,578**	**341,929**

Age Of Driver	Fatal Accident Drivers		Percent Change	Percent 1981 Fatal Accident Involvement	Percent Driving Population
	1980	1981			
16 years and under	72	47	-34.7	2.1	2.5
17 years	91	95	+4.4	4.3	2.6
18 - 19 years	213	162	-23.9	7.4	5.3
20 - 24 years	537	419	-22.0	19.1	13.9
Group Sub-total	**913**	**723**	**-20.8**	**33.0**	**24.3**
25 - 34 years	584	577	-1.2	26.3	24.4
35 - 44 years	295	302	+2.4	13.8	15.9
45 - 54 years	198	228	+15.1	10.4	13.4
55 - 64 years	164	145	-11.6	6.6	12.2
65 - 74 years	71	98	+38.0	4.5	7.1
75 years and over	52	62	+19.2	2.8	2.8
Not Stated	68	57	-16.2	2.6	—
Group Sub-total	**1,432**	**1,469**	**+2.6**	**67.0**	**75.7**
TOTAL DRIVERS	**2,345**	**2,192**	**-6.5**	**100.0**	**100.0**

1977 - 1981 TOTAL PERSONS KILLED

Age of Person	1977	1978	1979	1980	1981
0 - 4 years	49	43	39	41	24
5 - 9 years	62	74	57	52	53
10 - 14 years	91	80	63	64	57
15 - 19 years	413	358	342	306	224
20 - 24 years	334	379	310	337	268
25 - 34 years	305	397	350	363	343
35 - 44 years	166	200	190	174	172
45 - 54 years	138	163	167	142	134
55 - 64 years	138	152	128	128	113
65 - 74 years	128	116	99	77	97
75 years and over	116	105	95	85	96
Not Stated	10	9	9	5	8
TOTALS	**1,950**	**2,076**	**1,849**	**1,774**	**1,589**

RESIDENCE OF DRIVER

In three out of four of all motor vehicle traffic accidents, and two out of three fatal accidents, one of the drivers was a local resident. This generally means he lived within 25 miles of the accident location.

Residence of Driver	Drivers, All Accidents		Drivers, Fatal Accidents		Drivers, Injury Accidents		Drivers, Property Damage Accidents	
	Number	% of Total	Number	% of Total	Number	% of Total	Number	% of Total
In County	371,280	74.3	1,506	68.7	119,441	76.8	250,333	73.2
Elsewhere in State	84,697	16.9	528	24.1	26,871	17.3	57,298	16.7
Non-resident	8,266	1.7	71	3.2	2,511	1.6	5,684	1.7
Not Stated	35,456	7.1	87	4.0	6,755	4.3	28,614	8.4
TOTALS	**499,699**		**2,192**		**155,578**		**341,929**	

ACCIDENT EXPERIENCE BY ROADWAY TYPE

The schedule below provides a detailed breakdown of estimated vehicle mileage, accidents, death rates (deaths per 100 million vehicle miles) and accident rates (accidents per 100 million vehicle miles) for the major roadways in Michigan.

Statewide	Estimated Mileage (Billions)	All Accidents	Deaths	Death Rate	Rates	
					Personal Inj. Accidents	Total Accidents
Limited access roadway	14.8*	19,163	148	1.00	44.6	129.5
U.S. & Michigan roads	16.7*	74,881	486	2.91	135.0	448.4
County & local roads	30.5*	208,787	955	3.13	204.1	684.5
TOTALS	**62.0**	**302,831**	**1,589**	**2.56**	**147.4**	**488.4**

***Preliminary 1981 Michigan Department of Transportation figures.**

OBJECTS HIT

Object Hit By Vehicle	% of Total Objects Hit	Total Objects Hit	Fatal Accid.	Personal Injury Accid.	Property Damage Accid.	Rural Accid.	Urban Accid.
Guard rail or post	7.9	4,260	44	1,586	2,630	2,679	1,581
Highway sign	10.4	5,633	50	1,404	4,179	3,108	2,525
Street light, utility pole	15.8	8,548	77	3,967	4,504	2,965	5,583
Culvert	1.0	543	15	310	218	488	55
Ditch, embankment, stream	16.4	8,876	48	3,518	5,310	7,412	1,464
Bridge pier or abutment	0.8	444	14	240	190	203	241
Bridge rail or deck	0.8	422	4	168	250	271	151
Tree	16.4	8,881	147	4,325	4,409	6,510	2,371
Highway or railroad signal	0.6	333	4	129	200	125	208
Building	3.1	1,658	16	711	931	402	1,256
Mailbox	7.7	4,176	29	851	3,296	3,453	723
Fence	5.8	3,147	27	892	2,228	1,664	1,483
Traffic isle or curb	2.1	1,145	15	382	748	287	858
Concrete barrier in median	2.3	1,230	10	634	586	167	1,063
Other on-trafficway object	5.5	3,004	19	785	2,200	1,515	1,489
Other off-trafficway object	2.9	1,598	37	546	1,015	903	695
Overhead fixed object	0.4	234	0	25	209	88	146
Not known	0.1	72	2	33	37	22	50
TOTALS	**100.0**	**54,204**	**558**	**20,506**	**33,140**	**32,262**	**21,942**
PERCENT TOTALS		**100.0**	**1.0**	**37.8**	**61.2**	**59.5**	**40.5**

The above summary lists incidents in which a fixed object was struck either as primary object hit or as the secondary object hit (rebound).

REGISTRATIONS

	VEHICLE						OTHER		
COUNTIES	PASSENGER	COMMERCIAL	TRAILER	MOTORCYCLE	TOTAL PLATES	TOTAL REVENUE	WATERCRAFT	SNOWMOBILE	OFF ROAD
Alcona	5,412	2,090	1,152	336	9,390	$ 248,430.02	1,305	1,175	335
Alger	4,140	1,970	1,039	383	7,531	206,456.12	1,459	1,631	323
Allegan	38,184	14,871	8,049	2,779	64,853	2,283,862.32	7,404	4,180	1,046
Alpena	16,206	6,163	4,429	1,121	27,918	852,090.73	4,519	3,380	212
Antrim	9,961	3,060	2,342	627	14,933	408,157.73	3,723	1,839	182
Arenac	7,252	3,187	2,098	455	12,912	374,485.69	2,848	1,691	391
Baraga	3,902	1,752	854	223	6,911	192,412.94	953	791	23
Barry	21,712	9,039	5,142	1,892	38,785	978,197.67	6,710	3,372	515
Bay	60,940	15,777	14,069	3,304	94,090	2,944,773.98	9,889	8,521	2,946
Benzie	6,088	2,253	1,529	437	10,406	271,344.28	2,773	1,179	87
Berrien	86,211	23,555	13,833	4,732	127,301	3,905,550.82	12,730	4,086	712
Branch	19,310	7,580	5,522	1,775	34,187	1,120,991.09	6,158	2,436	317
Calhoun	72,783	19,277	12,987	5,218	109,266	3,083,678.41	10,834	4,085	1,323
Cass	23,308	8,802	4,713	1,775	38,598	1,118,271.35	5,272	2,919	448
Charlevoix	10,391	3,811	2,430	833	17,465	494,426.50	3,234	2,091	258
Cheboygan	10,843	4,080	3,011	892	18,826	502,878.17	4,226	3,134	184
Chippewa	12,953	5,195	3,388	910	22,056	643,907.83	4,553	4,710	285
Clare	11,522	4,881	3,272	779	20,233	544,433.29	3,105	2,027	371
Clinton	36,596	9,153	8,315	2,298	46,359	1,233,547.51	4,957	4,380	772
Crawford	4,980	1,962	1,388	324	8,240	218,761.23	2,288	1,388	410
Delta	19,053	7,400	5,781	1,262	33,478	1,109,690.29	4,027	4,483	603
Dickinson	12,989	5,136	3,384	967	22,476	740,102.50	2,680	2,386	277
Eaton	41,386	11,441	8,126	3,313	64,565	1,859,583.46	6,432	4,200	1,197
Emmet	12,538	4,582	2,569	840	20,329	613,768.68	3,617	2,083	259
Genesee	235,694	90,800	38,068	12,880	337,529	9,822,517.70	30,841	21,430	6,447
Gladwin	9,317	3,969	2,986	618	16,889	444,631.29	3,130	2,305	994
Gogebic	8,787	3,654	1,870	540	14,851	431,109.98	2,483	1,615	45
Gd. Traverse	32,695	9,724	7,554	2,004	51,977	1,575,908.05	8,444	4,127	730
Gratiot	19,990	6,895	4,930	1,604	32,419	1,034,181.79	2,788	2,911	574
Hillsdale	19,697	7,905	5,060	1,970	34,275	1,083,094.37	3,595	2,359	396
Houghton	14,745	5,012	2,337	963	23,057	647,751.31	2,692	2,092	78
Huron	18,548	7,674	5,170	1,436	32,830	1,017,475.44	2,939	3,822	339
Ingham	141,281	29,496	17,980	8,219	196,945	6,413,103.10	15,140	6,940	2,404
Ionia	22,945	8,049	4,987	2,087	38,068	1,083,428.12	3,859	2,910	588
Iosco	14,267	4,823	3,883	974	23,749	652,275.56	4,574	2,436	466
Iron	6,862	3,098	1,608	348	12,086	341,026.98	2,377	1,412	113
Isabella	19,962	6,932	4,587	1,484	32,805	1,061,966.90	3,033	2,301	427
Jackson	75,657	20,241	13,331	5,015	114,244	3,348,823.21	12,758	5,778	1,271
Kalamazoo	110,771	24,139	18,271	8,886	157,776	4,597,301.22	18,943	6,981	1,797
Kalkaska	5,511	2,986	1,809	387	10,714	420,787.30	1,738	1,390	273
Kent	246,892	52,427	42,270	14,340	355,929	12,389,209.15	33,884	15,238	5,450
Keweenaw	964	352	159	55	1,549	43,868.25	286	184	10
Lake	3,620	1,627	973	211	6,431	167,083.99	1,737	988	159
Lapeer	32,508	11,423	6,789	2,886	53,446	1,520,452.83	4,224	5,245	1,088
Leelanau	7,375	2,648	1,973	396	12,392	343,156.58	3,504	1,472	87
Lenawee	43,987	14,383	9,018	3,159	70,447	2,058,085.79	9,997	5,822	735
Livingston	52,542	13,576	9,033	3,186	78,313	2,100,155.28	9,209	5,629	1,160
Luce	2,798	1,481	1,040	174	5,473	165,477.29	1,306	1,186	145
Mackinac	4,655	2,011	1,387	415	8,448	225,741.09	2,980	2,345	325
Macomb	419,093	59,486	41,290	15,243	531,087	15,394,590.69	37,523	18,988	6,523
Manistee	11,517	3,937	2,687	759	18,880	530,888.52	2,931	1,440	254
Marquette	31,999	11,479	5,911	2,708	52,097	1,379,805.25	5,964	5,518	1,070
Mason	12,880	4,882	3,077	1,133	21,770	612,787.94	3,634	1,836	269
Mecosta	13,249	4,852	3,209	872	22,182	625,003.20	3,631	2,219	233
Menominee	12,329	4,916	3,151	894	21,290	717,737.86	2,257	2,351	140
Midland	40,268	9,182	8,984	2,480	60,923	1,662,941.96	7,392	3,771	1,564
Missaukee	4,814	2,471	1,397	420	9,102	286,113.09	1,512	1,206	99
Monroe	66,025	18,386	12,711	4,460	101,582	3,054,987.49	9,320	6,389	1,817
Montcalm	22,960	8,673	5,673	1,679	38,980	1,119,123.58	4,874	3,388	561
Montmorency	3,957	1,937	1,268	259	7,421	204,783.26	1,985	1,248	148
Muskegon	80,832	19,498	14,631	5,432	120,393	3,482,923.05	12,758	6,704	2,274
Newaygo	18,066	7,078	4,322	1,519	28,975	878,604.88	4,259	2,801	688
Oakland	607,426	88,722	58,552	22,410	777,112	22,643,857.59	58,755	31,512	9,662
Oceana	9,936	4,375	2,208	782	17,281	500,936.60	1,845	1,783	429
Ogemaw	8,522	3,029	2,598	600	16,849	488,048.85	2,445	2,139	312
Ontonagon	4,040	2,120	1,224	309	8,253	222,116.39	1,242	1,712	210
Osceola	8,854	3,857	2,279	646	15,636	457,300.38	1,718	1,550	199
Oscoda	3,684	1,709	1,131	245	6,729	184,159.16	1,452	1,025	176
Otsego	7,884	3,206	2,083	544	13,713	431,802.99	2,092	1,867	270
Ottawa	83,260	21,115	18,398	5,704	128,487	4,136,153.08	13,897	7,307	2,044
Presque Isle	5,681	3,064	1,850	458	12,081	329,923.29	2,234	1,790	135
Roscommon	9,874	3,473	2,980	613	16,740	418,064.50	5,053	3,917	520
Saginaw	118,535	25,479	21,314	5,483	168,791	4,976,606.89	16,005	12,379	3,082
St. Clair	70,358	19,650	12,642	4,294	106,934	3,329,135.19	10,880	6,903	1,672
St. Joseph	27,864	10,094	6,122	2,159	46,239	1,371,379.37	7,273	1,942	432
Sanilac	18,940	7,572	4,386	1,985	32,485	1,023,333.08	1,912	3,025	190
Schoolcraft	4,078	1,783	1,199	290	7,332	212,836.33	1,708	1,459	437
Shiawassee	34,694	11,386	7,021	2,894	55,975	1,575,405.20	4,518	5,107	1,256
Tuscola	27,334	11,063	7,435	2,180	48,101	1,415,583.73	3,989	5,885	900
Van Buren	30,802	11,659	6,580	2,139	50,180	1,454,278.19	6,544	2,312	389
Washtenaw	130,004	23,898	13,914	6,742	179,558	4,956,475.46	14,052	6,954	1,932
Wayne	1,173,822	150,498	97,884	36,232	1,458,236	45,974,231.79	78,924	24,192	11,536
Wexford	12,374	4,405	3,229	880	20,868	603,610.38	3,779	3,218	325
Non-Resident	25,347	13,381	13,847	184	54,729	5,088,718.21	26,206	4,581	1,779
TOTAL	4,848,924	1,047,384	721,381	243,888	6,861,857	—	662,952	388,421	90,417

ANNUAL REPORT

* There were 1,589 persons killed and 136,455 persons injured in 302,831 reported motor vehicle traffic accidents in Michigan during 1981. Compared with 1980 experience, deaths decreased 10.4 percent, injuries decreased 5.9 percent and total reported accidents showed a 3.7 percent decrease.
* This year deaths were the lowest since 1962.
* Some exposure factor comparisons between 1981 and 1980 show motor vehicle registrations dropped 6.5 percent, vehicle mileage rose 1.3 percent and licensed drivers increased 7.3 percent.
* With the increase in some exposure factors in 1981 the death rate of 2.56 per 100 million vehicle miles of travel is a decrease from the 1980 death rate of 2.89.
* Urban deaths decreased 11.3 percent, injuries decreased 5.8 percent and total accidents decreased 4.6 percent as compared to 1980.
* Rural deaths decreased 10.0 percent, injuries decreased 5.9 percent and total accidents decreased 2.4 percent as compared to 1980.
* Urban areas accounted for 60 percent of all accidents and 34 percent of all traffic deaths.
* Rural areas accounted for 40 percent of all accidents and 66 percent of all traffic deaths.
* Rural areas accounted for 41 percent of all injuries while 59 percent were in urban areas.
* Pedestrian deaths decreased 13 persons over the 1980 figure. Urban pedestrian deaths were up 10 over 1980 and rural pedestrian deaths were down a total of 23 persons.

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ST-1 (Part 1) Rev. 1-71

Motor Vehicle Traffic Accidents in Michigan

PERIOD YEAR - 1981

Compiled by the Michigan State Police

SUMMARY OF ALL REPORTED ACCIDENTS

COLONEL GERALD L. HOUGH, DIRECTOR

Summary Includes Information Available _____

STATEWIDE

TOTAL ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
1. Overturned		9578	114	5646	3818	14916	118	7532	7266	1701	3157	2674	9578	118	7532
2. Other Non-collision		1770	14	671	1085	3312	14	734	2564	206	338	190	1770	14	734
Collision with:	3. Pedestrian	4448	258	4047	143	11365	262	4350	6753	1495	1532	1323	4448	262	4350
	4. M.V. in Transport	183562	588	56252	126722	589489	677	92785	496027	10288	24971	57526	183562	677	92785
	5. M.V.–Other Roadway	78	10	40	28	264	12	96	156	29	18	49	78	12	96
	6. Parked M.V.	29911	21	3273	26617	40149	21	4031	36097	487	1771	1773	29911	21	4031
	7. Railroad Train	359	18	168	173	483	21	220	242	78	74	68	359	21	220
	8. Pedalcyclist	4306	44	3705	557	10731	44	3935	6752	759	1897	1279	4306	44	3935
	9. Animal	21095	3	712	20380	36165	3	829	35333	115	319	395	21095	3	829
	10. Fixed Object	46994	380	16755	29859	70550	414	21776	48360	4660	9560	7556	46994	414	21776
	11. Other Object	730	3	119	608	1224	3	167	1054	24	76	67	730	3	167
Totals		302831	1453	91388	209990	778648	1589	136455	640604	19842	43713	72900	302831	1589	136455

ON ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
1. Overturned		1667	17	1208	442	2442	18	1502	922	347	758	397	1667	18	1502
2. Other Non-collision		1410	11	565	834	2763	11	614	2138	180	286	148	1410	11	614
Collision with:	3. Pedestrian	4251	245	3867	139	10876	249	4135	6492	1420	1448	1267	4251	249	4135
	4. M.V. in Transport	183191	580	56144	126467	588320	666	92592	495062	10260	24910	57422	183191	666	92592
	5. M.V.–Other Roadway	78	10	40	28	264	12	96	156	29	18	49	78	12	96
	6. Parked M.V.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7. Railroad Train	356	18	167	171	475	21	216	238	78	70	68	356	21	216
	8. Pedalcyclist	4183	44	3600	539	10427	44	3819	6564	736	1845	1238	4183	44	3819
	9. Animal	21028	3	697	20328	36051	3	809	35239	112	311	386	21028	3	809
	10. Fixed Object	1270	11	334	925	1974	11	436	1527	102	179	155	1270	11	436
	11. Other Object	658	0	103	555	1098	0	141	957	21	62	58	658	0	141
Totals		218092	939	66725	150428	654690	1035	104360	549295	13285	29887	61188	218092	1035	104360

OFF ROADWAY ACCIDENTS	NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
	Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
1. Overturned	7911	97	4438	3376	12474	100	6030	6344	1354	2399	2277	7911	100	6030
2. Other Non-Collision	360	3	106	251	549	3	120	426	26	52	42	360	3	120
Collision with: 3. Pedestrian	197	13	180	4	489	13	215	261	75	84	56	197	13	215
Collision with: 4. M.V. In Transport	371	8	108	255	1169	11	193	965	28	61	104	371	11	193
Collision with: 5. M.V.—Other Roadway	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Collision with: 6. Parked Motor Vehicle	29911	21	3273	26617	40149	21	4031	36097	487	1771	1773	29911	21	4031
Collision with: 7. Railroad Train	3	0	1	2	8	0	4	4	0	4	0	3	0	4
Collision with: 8. Pedalcyclist	123	0	105	18	304	0	116	188	23	52	41	123	0	116
Collision with: 9. Animal	67	0	15	52	114	0	20	94	3	8	9	67	0	20
Collision with: 10. Fixed Object	45724	369	16421	28934	68576	403	21340	46833	4558	9381	7401	45724	403	21340
Collision with: 11. Other Object	72	3	16	53	126	3	26	97	3	14	9	72	3	26
Totals	84739	514	24663	59562	123958	554	32095	91309	6557	13826	11712	84739	554	32095

ROAD SURFACE	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
Dry	188484	1074	59458	127952
Wet	60939	233	19543	41163
Snowy/Icy	50748	128	11571	39049
Other	2660	18	816	1826
Total	302831	1453	91388	209990

LIGHT CONDITION	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
Daylight	176980	582	53239	123159
Dawn/Dusk	13817	62	3753	10002
Darkness/Lights	38709	253	13352	25104
Darkness/No Lights	72103	552	20857	50694
Not Stated	1222	4	187	1031
Total	302831	1453	91388	209990

AGE	NUMBER OF PERSONS KILLED									
	Total	Male	Female	Driver	Pass.	Ped.	Pedal/cycle	M/cycle	Farm	Other
0- 4	24	16	8	0	16	7	1	0	0	0
5- 9	53	37	16	0	10	30	11	2	0	0
10-14	57	43	14	1	17	24	12	2	0	1
15-19	224	169	55	103	68	29	7	14	0	3
20-24	268	200	68	138	61	26	4	37	0	2
25-34	343	261	82	184	50	38	4	57	3	7
35-44	172	125	47	103	23	23	1	20	0	2
45-54	134	95	39	88	15	17	1	13	0	0
55-64	113	64	49	63	23	23	1	2	1	0
65-74	97	64	33	49	17	28	1	1	0	1
75 & Over	96	61	35	41	29	25	1	0	0	0
Not Stated	8	6	2	0	2	4	0	2	0	0
Total	1589	1141	448	770	331	274	44	150	4	16

AGE	NUMBER OF PERSONS INJURED									
	Total	Male	Female	Driver	Pass.	Ped.	Pedal/cycle	M/cycle	Farm	Other
0- 4	3310	1642	1668	0	2927	298	62	5	4	14
5- 9	4500	2494	2006	2	3048	841	558	21	3	27
10-14	6037	3188	2849	84	3553	741	1382	197	13	67
15-19	24538	13614	10924	12224	9303	620	949	1264	22	156
20-24	24084	13853	10231	15060	6323	458	389	1691	9	154
25-34	30766	17400	13366	21139	6639	595	276	1857	12	248
35-44	15568	8120	7448	11250	3178	282	78	646	7	127
45-54	10466	5176	5290	7333	2502	232	43	247	9	100
55-64	8296	3976	4320	5620	2260	223	27	90	7	69
65-74	4488	1952	2536	2809	1475	138	18	24	2	22
75 & Over	2304	1049	1255	1277	870	123	10	11	4	9
Not Stated	2098	1158	940	1098	757	78	30	89	4	42
Total	136455	73622	62833	77896	42835	4629	3822	6142	96	1035

CODE OF INJURY

A—INCAPACITATING INJURY—Any injury other than fatal which prevents normal activities and generally requires hospitalization.

B—NON-INCAPACITATING INJURY—Any injury not incapacitating but evident to others at the scene.

C—POSSIBLE INJURY—No visible injury but complaint of pain or momentary unconsciousness.

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STATEWIDE

STATEWIDE

MUNICIPALITIES	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		Total	On Roadway	Off Roadway	Total	On Roadway	Off Roadway	A	B	C	Not Injured	Killed	Injured	Killed	Injured
1. Townships	271909	1016	605	411	52990	33857	19133	10344	19114	23532	217903	605	33857	411	19133
2. Under 1,000	5872	16	9	7	779	564	215	153	265	361	5077	9	564	7	215
3. 1,000 - 2,500	15991	24	17	7	1950	1496	454	330	709	911	14017	17	1496	7	454
4. 2,500 - 5,000	22367	24	19	5	3079	2458	621	440	1110	1529	19264	19	2458	5	621
5. 5,000 - 10,000	27500	29	21	8	3615	2916	699	558	1296	1761	23856	21	2916	8	699
6. 10,000 - 25,000	58871	65	47	18	8846	7317	1529	1209	2852	4785	49960	47	7317	18	1529
7. 25,000 - 50,000	82342	84	64	20	13069	11117	1952	1563	4086	7420	69189	64	11117	20	1952
8. 50,000 - 100,000	93346	105	79	26	15795	13590	2205	1740	4790	9265	77446	79	13590	26	2205
9. 100,000 - 250,000	82605	78	59	19	13057	11234	1823	1312	3945	7800	69470	59	11234	19	1823
10. 250,000 or more	117845	148	115	33	23275	19811	3464	2193	5546	15536	94422	115	19811	33	3464
Totals	778648	1589	1035	554	136455	104360	32095	19842	43713	72900	640604	1035	104360	554	32095

MUNICIPALITIES	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.
1. Townships	113776	914	34762	78100	75403	538	20258	54607	38373	376	14504	23493	113776	914	34762	78100
2. Under 1,000	2354	12	532	1810	1468	7	368	1093	836	5	164	717	2354	12	532	1810
3. 1,000 - 2,500	6173	24	1382	4767	4229	17	1030	3182	1944	7	352	1585	6173	24	1382	4767
4. 2,500 - 5,000	8543	22	2134	6387	6128	17	1658	4453	2415	5	476	1934	8543	22	2134	6387
5. 5,000 - 10,000	10336	26	2520	7790	7475	18	1972	5485	2861	8	548	2305	10336	26	2520	7790
6. 10,000 - 25,000	22294	63	6178	16053	16486	45	4983	11458	5808	18	1195	4595	22294	63	6178	16053
7. 25,000 - 50,000	30651	81	8905	21665	23318	61	7353	15904	7333	20	1552	5761	30651	81	8905	21665
8. 50,000 - 100,000	33705	97	10645	22963	26583	72	8885	17626	7122	25	1760	5337	33705	97	10645	22963
9. 100,000 - 250,000	30720	77	8991	21652	23703	59	7514	16130	7017	18	1477	5522	30720	77	8991	21652
10. 250,000 or more	44279	137	15339	28803	33299	105	12704	20490	10980	32	2635	8313	44279	137	15339	28803
Totals	302831	1453	91388	209990	218092	939	66725	150428	84739	514	24663	59562	302831	1453	91388	209990

CLASS OF TRAFFICWAY	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		Total	On Roadway	Off Roadway	Total	On Roadway	Off Roadway	A	B	C	Not Injured	Killed	Injured	Killed	Injured
1. Interstate System	37392	121	61	60	7494	4774	2720	2239	2245	4010	29777	61	4774	60	2720
2. Other Full Control	10502	27	13	14	2292	1539	753	323	603	1366	8183	13	1539	14	753
3. Other US Route	57644	123	98	25	9418	7705	1713	1435	2928	5055	47903	98	7705	25	1713
4. Other State M Routes	151515	363	268	95	25874	22092	3782	3855	7898	14121	125278	268	22092	95	3782
5. Other Major Arterial	26575	30	24	6	3915	3497	418	455	1165	2295	22630	24	3497	6	418
6. County Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Local Streets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Other Trafficways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Local Roads--N.K.	495220	925	571	354	87462	64753	22709	12535	28874	46053	406833	571	64753	354	22709
Totals	778648	1589	1035	554	136455	104360	32095	19842	43713	72900	640604	1035	104360	554	32095

CLASS OF TRAFFICWAY	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.
1. Interstate System	15038	115	5115	9808	9902	55	3059	6788	5136	60	2056	3020	15038	115	5115	9808
2. Other Full Control	4125	25	1485	2615	2798	13	925	1860	1327	12	560	755	4125	25	1485	2615
3. Other US Route	20806	104	6009	14693	16679	81	4678	11920	4127	23	1331	2773	20806	104	6009	14693
4. Other State M Routes	54075	324	16534	37217	45386	237	13540	31609	8689	87	2994	5608	54075	324	16534	37217
5. Other Major Arterial	8977	28	2657	6292	7785	23	2320	5442	1192	5	337	850	8977	28	2657	6292
6. County Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Local Streets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Other Trafficways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Local Roads–N.K.	199810	857	59588	139365	135542	530	42203	92809	64268	327	17385	46556	199810	857	59588	139365
Totals	302831	1453	91388	209990	218092	939	66725	150428	84739	514	24663	59562	302831	1453	91388	209990

PEDESTRIAN ACCIDENTS	ALL ACCIDENTS			FATAL			INJURY			PROPERTY DAMAGE		
	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter	Not At Inter.
1. Car Going Straight	3669	1524	2145	250	55	195	3310	1414	1896	109	55	54
2. Car Turning Right	218	191	27	1	1	0	207	180	27	10	10	0
3. Car Turning Left	259	209	50	2	0	2	244	197	47	13	12	1
4. Car Backing	175	53	122	3	0	3	165	50	115	7	3	4
5. All Others	113	32	81	2	1	1	108	29	79	3	2	1
6. Not Stated	14	5	9	0	0	0	13	5	8	1	0	1
Totals	4448	2014	2434	258	57	201	4047	1875	2172	143	82	61

PEDESTRIAN ACTIONS BY AGE	PEDESTRIANS KILLED	AGE OF PEDESTRIANS KILLED AND INJURED									
		Total	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 44	45 to 64	65 & Older	Not Stated
1a. Crossing at intersection or in crosswalk	35	1554	73	276	315	169	135	261	169	125	31
1b. Crossing not at intersection or in crosswalk	105	1633	201	495	270	124	110	191	129	93	20
2a. Walking in roadway–with traffic	29	251	1	4	42	74	31	61	22	13	3
2b. Walking in roadway–against traffic	7	72	0	4	7	20	10	20	7	3	1
3. Standing in roadway	52	296	2	11	17	55	56	100	29	16	10
4. Pushing or working on vehicle in roadway	6	128	0	1	4	19	21	61	13	4	5
5. Other working in roadway	2	33	0	0	0	2	5	17	6	1	2
6. Playing in roadway	8	66	7	20	23	12	3	1	0	0	0
7. Other in roadway	4	304	8	24	20	58	47	92	37	16	2
8. Not in roadway	25	536	13	33	62	107	61	130	82	41	7
9. Not Stated	1	30	0	3	5	9	5	4	1	2	1
Totals	274	4903	305	871	765	649	484	938	495	314	82

STATEWIDE

TWO MOTOR VEHICLE ACCIDENTS		Total	Fatal	Injury	P.D.
At Intersection	1. Entering at angle	45464	192	15953	29319
	2a. From same direction—Both Going Straight	9540	5	1952	7583
	2b. Same—one turn, one straight	9760	6	1879	7875
	2c. Same—one stopped	21307	5	7584	13718
	2d. Same—all others	1929	0	110	1819
	3a. From opposite direction—Both Going Straight	2441	24	916	1501
	3b. Same—one left turn, one straight	12658	38	5272	7348
	3c. Same—all others	558	2	156	400
	4. Not stated	6609	1	683	5925
Totals		110266	273	34505	75488

TWO MOTOR VEHICLE ACCIDENTS		Total	Fatal	Injury	P.D.
Not At Intersection	1. Going opposite direction—Both Moving	8099	216	3117	4766
	2. Going same direction—Both Moving	21533	50	5428	16055
	3a. One car parked	23302	20	2590	20692
	3b. One car stopped in traffic	15679	18	5659	10002
	4a. One car entering parked pos.	222	0	37	185
	4b. One car leaving parked pos.	1893	0	223	1670
	5a. One car enter. driveway access	14441	24	4401	10016
	5b. One car leaving d/way access	16365	12	3223	13130
	6. All others/not stated	1751	6	382	1363
Totals		103285	346	25060	77879

ALL OTHER ACCIDENTS			Total	Fatal	Injury	P.D.
At Inter.	Collision With:	1. Other road veh., or RR train	2444	9	2059	376
		2. Fixed object	11769	35	3782	7952
		3. Other object or animal	516	0	50	466
	4. Overturning		1237	9	838	390
	5. Other noncollision		403	2	224	177
Not At Inter.	Collision With:	6. Other road veh., or RR train	2221	53	1814	354
		7. Fixed Object	35225	345	12973	21907
		8. Other object or animal	21309	6	781	20522
	9. Overturning		8341	105	4808	3428
	10. Other noncollision		1364	12	444	908
	11. Not stated		3	0	3	0
Totals			84832	576	27776	56480

STATEWIDE

HAZARDOUS ACTION*	NUMBER OF TRAFFIC UNITS			
	TOTAL	Fatal	Injury	P.D.
1. No Violation	238900	1054	76300	161546
2. Speed Too Fast	32824	399	12805	19620
3. Speed Too Slow	267	3	123	141
4. Disregard Control/ROW	68569	429	27018	41122
5. Wrong Way	667	14	299	354
6. Left Center/Improper Pass/Lane	34893	253	7754	26886
7. Improper Turn/Signal	14009	24	3243	10742
8. Improper Backing/Start	16254	6	914	15334
9. Following/Unable To Stop	93453	218	32443	60792
10. Other/Not Known	9338	142	3078	6118
11.				
12.				
13.				
14.				
Totals	509174	2542	163977	342655

CONTRIBUTING CIRCUMSTANCE*	NUMBER OF TRAFFIC UNITS			
	TOTAL	Fatal	Injury	P.D.
1. None	218528	893	69899	147736
2. DUIL/Drugs	10475	506	4445	5524
3. Reckless/Careless	10864	110	6095	4659
4. Inattention/Ill/Etc.	6638	28	2872	3738
5. Violation License Restriction	65	0	22	43
6. Obscured Vision	7276	27	2341	4908
7. Defective Equipment	5194	20	1812	3362
8. Lost Control/Load/Wind	237	1	74	162
9. Skidding	21605	83	6171	15351
10. Other/Not Known	228292	874	70246	157172
11.				
12.				
13.				
14.				
Totals	509174	2542	163977	342655

*Includes pedestrians and drivers

MANNER OF TWO MOTOR VEHICLE COLLISION	Total	Fatal	Injury	P.D.
1. Head on	9675	232	2800	5643
2. Rear end	26638	53	6574	20011
3. Sideswipe-meeting	376	2	81	293
4. Sideswipe-passing	1727	0	226	1501
5. Angle	30730	179	12734	17817
6. Backed into	4004	1	247	3756
7. All others	140322	152	35888	104282
8. Not stated	79	0	15	64
Totals	213551	619	59565	153367

TYPE OF VEHICLE	Total	Fatal	Injury	P.D.
1. Passenger car	388196	1487	124156	262553
2. Passenger car and trailer	1600	4	426	1170
3. Truck or truck tractor	68231	355	18141	49735
4. Truck tractor and semi-trailer	5127	91	1350	3686
5. Other truck combination	1976	14	457	1505
6. Farm tractor and/or farm equip.	350	4	136	210
7. Bus	1365	9	443	913
8. School Bus	1427	6	258	1163
9. Motorcycle/Motor scooter	6686	157	5534	995
10. Other/not stated	25433	65	4763	20605
Totals	500391	2192	155664	342535

DRINKING CONDITION DRIVERS	NUMBER OF DRIVERS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	51205	827	23157	27221
2. Not known if drinking	50667	94	10795	39778
3. Had not been drinking	397827	1271	121626	274930
Totals	499699	2192	155578	341929

DRINKING IN ACCIDENT	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	49042	814	22109	26119
2. Not known if drinking	21970	19	3167	18784
3. Had not been drinking	231819	620	66112	165087
Totals	302831	1453	91388	209990

DRINKING CONDITION PEDESTRIAN	NUMBER OF PEDESTRIANS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	240	102	136	2
2. Not known if drinking	4137	56	3931	150
3. Had not been drinking	712	148	558	6
Totals	5089	306	4625	158

AGE OF DRIVER	NUMBER OF DRIVERS			
	Total	Fatal	Injury	P.D.
1. 15 and Younger	1354	16	666	672
2. 16	14357	31	4524	9802
3. 17	20062	95	6382	13585
4. 18 to 19	41980	162	13255	28563
5. 20 to 24	86570	419	28482	57669
6. 25 to 34	117517	577	39035	77905
7. 35 to 44	63886	302	20859	42725
8. 45 to 54	44561	228	14120	30213
9. 55 to 64	35005	145	11059	23801
10. 65 to 74	18058	98	5541	12419
11. 75 and older	8277	62	2611	5604
12. Not stated*	48072	57	9044	38971
Totals	499699	2192	155578	341929
H & R Drivers (Not Apprehended)	0	0	0	0

SEX OF DRIVER	Total	Fatal	Injury	P.D.
1. Male	342088	1732	103007	237349
2. Female	157611	460	52571	104580
Totals	499699	2192	155578	341929

RESIDENCE OF DRIVER	Total	Fatal	Injury	P.D.
1. Local resident	371280	1506	119441	250333
2. Residing elsewhere	84697	528	26871	57298
3. Non-resident	8266	71	2511	5684
4. Not stated	35456	87	6755	28614
Totals	499699	2192	155578	341929
Driverless Moving	692	0	86	606

MILEAGE RATES	This Year To Date	Last Year Same Period	Percent Change
1. Motor vehicle traffic deaths			%
2. Estimated motor veh. mileage traveled (billions)			%
3. Death rate per 100-million-vehicle-miles			%
4. Fatal accident rate per 100-million-vehicle-miles			%

*Includes Hit & Run Drivers

ST-1 (Part 1) Rev. 1-71

Motor Vehicle Traffic Accidents in Michigan

PERIOD YEAR - 1981

Compiled by the Michigan State Police

SUMMARY OF ALL REPORTED ACCIDENTS

COLONEL GERALD L. HOUGH, DIRECTOR

Summary Includes Information Available _____

URBAN

TOTAL ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
1. Overturned		1426	13	966	447	2048	13	1228	807	296	560	372	1426	13	1228
2. Other Non-collision		663	6	277	380	1284	6	300	978	72	154	74	663	6	300
Collision with:	3. Pedestrian	3458	151	3189	118	8793	155	3409	5229	1089	1223	1097	3458	155	3409
	4. M.V. In Transport	127725	197	38245	89283	403185	219	61055	341911	5015	15122	40918	127725	219	61055
	5. M.V.–Other Roadway	41	4	22	15	129	4	45	80	8	7	30	41	4	45
	6. Parked M.V.	24980	11	2672	22297	33196	11	3239	29946	336	1418	1485	24980	11	3239
	7. Railroad Train	188	4	87	97	259	5	117	137	44	33	40	188	5	117
	8. Pedalcyclist	3191	12	2738	441	7848	12	2888	4948	483	1358	1047	3191	12	2888
	9. Animal	535	0	36	499	837	0	38	799	6	20	12	535	0	38
	10. Fixed Object	18040	103	6431	11506	26872	106	8352	18414	1659	3700	2993	18040	106	8352
	11. Other Object	281	2	49	230	425	2	65	358	7	30	28	281	2	65
Totals		180528	503	54712	125313	484876	533	80736	403607	9015	23625	48096	180528	533	80736

ON ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
1. Overturned		631	6	466	159	871	6	568	297	131	290	147	631	6	568
2. Other Non-collision		574	5	256	313	1147	5	277	865	66	142	69	574	5	277
Collision with:	3. Pedestrian	3347	146	3085	116	8512	150	3288	5074	1052	1176	1060	3347	150	3288
	4. M.V. In Transport	127554	196	38207	89151	402690	218	60990	341482	5008	15109	40873	127554	218	60990
	5. M.V.–Other Roadway	41	4	22	15	129	4	45	80	8	7	30	41	4	45
	6. Parked M.V.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7. Railroad Train	186	4	87	95	255	5	117	133	44	33	40	186	5	117
	8. Pedalcyclist	3098	12	2659	427	7615	12	2801	4802	470	1318	1013	3098	12	2801
	9. Animal	528	0	34	494	829	0	36	793	6	19	11	528	0	36
	10. Fixed Object	771	4	207	560	1168	4	263	901	71	99	93	771	4	263
	11. Other Object	262	0	46	216	391	0	58	333	6	26	26	262	0	58
Totals		136992	377	45069	91546	423607	404	68443	354760	6862	18219	43362	136992	404	68443

OFF ROADWAY ACCIDENTS	NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
	Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
1. Overturned	795	7	500	288	1177	7	660	510	165	270	225	795	7	660
2. Other Non-Collision	89	1	21	67	137	1	23	113	6	12	5	89	1	23
Collision with: 3. Pedestrian	111	5	104	2	281	5	121	155	37	47	37	111	5	121
Collision with: 4. M.V. In Transport	171	1	38	132	495	1	65	429	7	13	45	171	1	65
Collision with: 5. M.V.–Other Roadway	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Collision with: 6. Parked Motor Vehicle	24980	11	2672	22297	33196	11	3239	29946	336	1418	1485	24980	11	3239
Collision with: 7. Railroad Train	2	0	0	2	4	0	0	4	0	0	0	2	0	0
Collision with: 8. Pedalcyclist	93	0	79	14	233	0	87	146	13	40	34	93	0	87
Collision with: 9. Animal	7	0	2	5	8	0	2	6	0	1	1	7	0	2
Collision with: 10. Fixed Object	17269	99	6224	10946	25704	102	8089	17513	1588	3601	2900	17269	102	8089
Collision with: 11. Other Object	19	2	3	14	34	2	7	25	1	4	2	19	2	7
Totals	43536	126	9643	33767	61269	129	12293	48847	2153	5406	4734	43536	129	12293

ROAD SURFACE	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
Dry	112659	354	36142	76173
Wet	39992	107	12828	27057
Snowy/Icy	26626	36	5415	21175
Other	1241	6	327	908
Total	180528	503	54712	125313

LIGHT CONDITION	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
Daylight	115018	211	33455	81352
Dawn/Dusk	6485	14	1937	4534
Darkness/Lights	33403	195	11534	21674
Darkness/No Lights	24801	82	7665	17054
Not Stated	821	1	121	699
Total	180528	503	54712	125313

AGE	NUMBER OF PERSONS KILLED									
	Total	Male	Female	Driver	Pass.	Ped.	Pedal/ cycle	M/cycle	Farm	Other
0- 4	11	7	4	0	5	5	1	0	0	0
5- 9	17	10	7	0	2	13	2	0	0	0
10-14	22	15	7	0	3	15	4	0	0	0
15-19	53	36	17	22	14	9	2	6	0	0
20-24	79	54	25	33	16	11	0	19	0	0
25-34	105	78	27	44	11	27	1	22	0	0
35-44	63	49	14	31	5	16	1	10	0	0
45-54	52	39	13	33	2	10	0	7	0	0
55-64	46	30	16	22	6	17	0	1	0	0
65-74	40	27	13	17	5	17	0	1	0	0
75 & Over	41	27	14	14	9	17	1	0	0	0
Not Stated	4	3	1	0	0	4	0	0	0	0
Total	533	375	158	216	78	161	12	66	0	0

AGE	NUMBER OF PERSONS INJURED									
	Total	Male	Female	Driver	Pass.	Ped.	Pedal/ cycle	M/cycle	Farm	Other
0- 4	2002	1007	995	0	1687	254	45	3	0	13
5- 9	2896	1647	1249	0	1798	686	389	7	0	16
10-14	3562	1877	1685	30	1898	565	971	75	0	23
15-19	12476	6626	5850	6055	4587	419	698	65	2	70
20-24	13888	7414	6474	8580	3700	345	332	860	1	70
25-34	18764	10163	8601	12844	4164	457	234	917	0	148
35-44	9403	4785	4618	6864	1929	220	59	261	1	69
45-54	6590	3170	3420	4661	1563	184	29	89	2	62
55-64	5481	2579	2902	3721	1479	184	23	33	1	40
65-74	2855	1231	1624	1830	882	110	13	7	0	13
75 & Over	1431	629	802	760	551	99	9	5	0	7
Not Stated	1388	744	644	724	494	67	28	45	0	30
Total	80736	41872	38864	46069	24732	3590	2830	2947	7	561

CODE OF INJURY

A–INCAPACITATING INJURY–Any injury other than fatal which prevents normal activities and generally requires hospitalization.

B–NON-INCAPACITATING INJURY–Any injury not incapacitating but evident to others at the scene.

C–POSSIBLE INJURY–No visible injury but complaint of pain or momentary unconsciousness.

ST-1 (Part 2) Rev. 1-71

URBAN

URBAN

MUNICIPALITIES	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		Total	On Roadway	Off Roadway	Total	On Roadway	Off Roadway	A	B	C	Not Injured	Killed	Injured	Killed	Injured
1. Townships	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. Under 1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3. 1,000 - 2,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4. 2,500 - 5,000	22367	24	19	5	3079	2458	621	440	1110	1529	19264	19	2458	5	621
5. 5,000 - 10,000	27500	29	21	8	3615	2916	699	558	1296	1761	23856	21	2916	8	699
6. 10,000 - 25,000	58871	65	47	18	8846	7317	1529	1209	2852	4785	49960	47	7317	18	1529
7. 25,000 - 50,000	82342	84	64	20	13069	11117	1952	1563	4086	7420	69189	64	11117	20	1952
8. 50,000 - 100,000	93346	105	79	26	15795	13590	2205	1740	4790	9265	77446	79	13590	26	2205
9. 100,000 - 250,000	82605	78	59	19	13057	11234	1823	1312	3945	7800	69470	59	11234	19	1823
10. 250,000 or more	117845	148	115	33	23275	19811	3464	2193	5546	15536	94422	115	19811	33	3464
Totals	484876	533	404	129	80736	68443	12293	9015	23625	48096	403607	404	68443	129	12293

MUNICIPALITIES	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.
1. Townships	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. Under 1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3. 1,000 - 2,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4. 2,500 - 5,000	8543	22	2134	6387	6128	17	1658	4453	2415	5	476	1934	8543	22	2134	6387
5. 5,000 - 10,000	10336	26	2520	7790	7475	18	1972	5485	2861	8	548	2305	10336	26	2520	7790
6. 10,000 - 25,000	22294	63	6178	16053	16486	45	4983	11458	5808	18	1195	4595	22294	63	6178	16053
7. 25,000 - 50,000	30651	81	8905	21665	23318	61	7353	15904	7333	20	1552	5761	30651	81	8905	21665
8. 50,000 - 100,000	33705	97	10645	22963	26583	72	8885	17626	7122	25	1760	5337	33705	97	10645	22963
9. 100,000 - 250,000	30720	77	8991	21652	23703	59	7514	16130	7017	18	1477	5522	30720	77	8991	21652
10. 250,000 or more	44279	137	15339	28803	33299	105	12704	20490	10980	32	2635	8313	44279	137	15339	28803
Totals	180528	503	54712	125313	136992	377	45069	91546	43536	126	9643	33767	180528	503	54712	125313

CLASS OF TRAFFICWAY	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		Total	On Roadway	Off Roadway	Total	On Roadway	Off Roadway	A	B	C	Not Injured	Killed	Injured	Killed	Injured
1. Interstate System	22454	52	21	31	4573	3307	1266	660	1264	2649	17829	21	3307	31	1266
2. Other Full Control	7574	15	9	6	1799	1326	473	225	436	1138	5760	9	1326	6	473
3. Other US Route	28088	26	24	2	4384	3876	508	523	1205	2656	23678	24	3876	2	508
4. Other State M Routes	84222	100	85	15	13669	12455	1214	1459	3868	8342	70453	85	12455	15	1214
5. Other Major Arterial	22170	20	16	4	3137	2825	312	357	895	1885	19013	16	2825	4	312
6. County Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Local Streets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Other Trafficways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Local Roads--N.K.	320368	320	249	71	53174	44654	8520	5791	15957	31426	266874	249	44654	71	8520
Totals	484876	533	404	129	80736	68443	12293	9015	23625	48096	403607	404	68443	129	12293

CLASS OF TRAFFICWAY	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.
1. Interstate System	8543	52	3183	5308	6212	21	2205	3986	2331	31	978	1322	8543	52	3183	5308
2. Other Full Control	2789	14	1133	1642	2034	9	787	1238	755	5	346	404	2789	14	1133	1642
3. Other US Route	9507	22	2852	6633	8192	20	2470	5702	1315	2	382	931	9507	22	2852	6633
4. Other State M Routes	28321	95	8960	19266	25081	80	7997	17004	3240	15	963	2262	28321	95	8960	19266
5. Other Major Arterial	7483	19	2159	5305	6521	15	1912	4594	962	4	247	711	7483	19	2159	5305
6. County Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Local Streets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Other Trafficways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Local Roads--N.K.	123885	301	36425	87159	88952	232	29698	59022	34933	69	6727	28137	123885	301	36425	87159
Totals	180528	503	54712	125313	136992	377	45069	91546	43536	126	9643	33767	180528	503	54712	125313

PEDESTRIAN ACCIDENTS	ALL ACCIDENTS			FATAL			INJURY			PROPERTY DAMAGE		
	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter	Not At Inter.
1. Car Going Straight	2815	1345	1470	146	47	99	2582	1251	1331	87	47	40
2. Car Turning Right	196	175	21	1	1	0	186	165	21	9	9	0
3. Car Turning Left	219	186	33	0	0	0	208	175	33	11	11	0
4. Car Backing	135	46	89	2	0	2	126	43	83	7	3	4
5. All Others	81	28	53	2	1	1	76	25	51	3	2	1
6. Not Stated	12	5	7	0	0	0	11	5	6	1	0	1
Totals	3458	1785	1673	151	49	102	3189	1664	1525	118	72	46

PEDESTRIAN ACTIONS BY AGE	PEDESTRIANS KILLED	AGE OF PEDESTRIANS KILLED AND INJURED									
		Total	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 44	45 to 64	65 & Older	Not Stated
1a. Crossing at intersection or in crosswalk	31	1382	62	246	275	146	124	230	157	111	31
1b. Crossing not at intersection or in crosswalk	75	1285	173	387	198	81	88	165	112	66	15
2a. Walking in roadway--with traffic	10	129	0	1	23	35	13	35	13	7	2
2b. Walking in roadway--against traffic	1	46	0	4	3	14	8	10	5	1	1
3. Standing in roadway	22	198	1	6	11	34	31	74	19	12	10
4. Pushing or working on vehicle in roadway	4	87	0	1	2	8	15	44	10	3	4
5. Other working in roadway	1	19	0	0	0	1	2	12	2	0	2
6. Playing in roadway	2	46	5	12	17	10	2	0	0	0	0
7. Other in roadway	3	194	7	17	13	32	29	62	21	12	1
8. Not in roadway	12	343	11	22	34	61	41	85	55	30	4
9. Not Stated	0	22	0	3	4	6	3	3	1	1	1
Totals	161	3751	259	699	580	428	356	720	395	243	71

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URBAN

TWO MOTOR VEHICLE ACCIDENTS			Total	Fatal	Injury	P.D.
At Intersection		1. Entering at angle	33544	69	11564	21911
		2a. From same direction–Both Going Straight	7841	3	1549	6289
		2b. Same–one turn, one straight	6992	2	1202	5788
		2c. Same–one stopped	16556	3	5934	10619
		2d. Same–all others	1447	0	89	1358
		3a. From opposite direction–Both Going Straight	1619	12	591	1016
		3b. Same–one left turn, one straight	9681	23	3928	5730
		3c. Same–all others	405	1	114	290
		4. Not stated	5832	1	603	5228
Totals			83917	114	25574	58229

TWO MOTOR VEHICLE ACCIDENTS		Total	Fatal	Injury	P.D.
Not At Intersection	1. Going opposite direction–Both Moving	3212	48	1177	1987
	2. Going same direction–Both Moving	14169	19	3510	10640
	3a. One car parked	19148	10	2069	17069
	3b. One car stopped in traffic	11016	5	4020	6991
	4a. One car entering parked pos.	158	0	21	137
	4b. One car leaving parked pos.	1596	0	184	1412
	5a. One car enter. driveway access	7891	10	2262	5619
	5b. One car leaving d/way access	10531	5	1895	8631
	6. All others/not stated	1108	1	227	880
Totals		68829	98	15365	53366

ALL OTHER ACCIDENTS			Total	Fatal	Injury	P.D.
At Inter.	Collision With	1. Other road veh., or RR train	2016	5	1696	315
		2. Fixed object	6523	20	2078	4425
		3. Other object or animal	127	0	19	108
	4. Overturning		372	2	266	104
	5. Other noncollision		225	1	131	93
Not At Inter.	Collision With	6. Other road veh., or RR train	1363	11	1129	223
		7. Fixed Object	11517	83	4353	7081
		8. Other object or animal	689	2	66	621
	9. Overturning		1054	11	700	343
	10. Other noncollision		438	5	146	287
	11. Not stated		0	0	0	0
Totals			24324	140	10584	13600

URBAN

HAZARDOUS ACTION*	NUMBER OF TRAFFIC UNITS			
	TOTAL	Fatal	Injury	P.D.
1. No Violation	150264	443	51591	98230
2. Speed Too Fast	12193	116	4476	7601
3. Speed Too Slow	130	0	51	79
4. Disregard Control/ROW	49834	201	19368	30265
5. Wrong Way	531	6	234	291
6. Left Center/Improper Pass/Lane	24112	71	4599	19442
7. Improper Turn/Signal	10103	11	2220	7872
8. Improper Backing/Start	12417	3	665	11749
9. Following/Unable To Stop	59610	65	20045	39500
10. Other/Not Known	5990	57	1902	4031
11.				
12.				
13.				
14.				
Totals	325184	973	105151	219060

CONTRIBUTING CIRCUMSTANCE*	NUMBER OF TRAFFIC UNITS			
	TOTAL	Fatal	Injury	P.D.
1. None	137493	379	47604	89510
2. DUIL/Drugs	5743	168	2407	3168
3. Reckless/Careless	5851	53	3283	2515
4. Inattention/Ill/Etc.	3362	6	1409	1947
5. Violation License Restriction	41	0	13	28
6. Obscured Vision	4191	5	1354	2832
7. Defective Equipment	2550	6	881	1663
8. Lost Control/Load/Wind	66	1	18	47
9. Skidding	11606	20	3038	8548
10. Other/Not Known	154281	335	45144	108802
11.				
12.				
13.				
14.				
Totals	325184	973	105151	219060

*Includes pedestrians and drivers

MANNER OF TWO MOTOR VEHICLE COLLISION	Total	Fatal	Injury	P.D.
1. Head on	4357	57	1654	2646
2. Rear end	18950	21	4531	14398
3. Sideswipe-meeting	154	1	28	125
4. Sideswipe-passing	1301	0	171	1130
5. Angle	23450	61	9448	13941
6. Backed into	2738	0	156	2582
7. All others	101741	72	24942	76727
8. Not stated	55	0	9	46
Totals	152746	212	40939	111595

TYPE OF VEHICLE	Total	Fatal	Injury	P.D.
1. Passenger car	253166	531	81698	170937
2. Passenger car and trailer	756	2	218	536
3. Truck or truck tractor	36226	95	9308	26823
4. Truck tractor and semi-trailer	2603	38	653	1912
5. Other truck combination	888	4	191	693
6. Farm tractor and/or farm equip.	37	0	8	29
7. Bus	1211	7	396	808
8. School Bus	817	3	126	688
9. Motorcycle/Motor scooter	3357	71	2685	601
10. Other/not stated	19498	28	3554	15916
Totals	318559	779	98837	218943

DRINKING CONDITION DRIVERS	NUMBER OF DRIVERS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	27162	246	12076	14840
2. Not known if drinking	40966	55	8696	32215
3. Had not been drinking	249920	478	78012	171430
Totals	318048	779	98784	218485

DRINKING IN ACCIDENT	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	25961	257	11526	14178
2. Not known if drinking	17643	8	2457	15178
3. Had not been drinking	136924	238	40729	95957
Totals	180528	503	54712	125313

DRINKING CONDITION PEDESTRIAN	NUMBER OF PEDESTRIANS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	169	57	111	1
2. Not known if drinking	3144	34	2988	122
3. Had not been drinking	585	91	489	5
Totals	3898	182	3588	128

AGE OF DRIVER	NUMBER OF DRIVERS			
	Total	Fatal	Injury	P.D.
1. 15 and Younger	636	2	280	354
2. 16	7697	8	2299	5390
3. 17	11095	30	3428	7637
4. 18 to 19	24375	52	7599	16724
5. 20 to 24	53577	144	17479	35954
6. 25 to 34	73566	191	24970	48405
7. 35 to 44	38940	109	13119	25712
8. 45 to 54	28414	91	9289	19034
9. 55 to 64	23478	59	7589	15830
10. 65 to 74	12164	34	3742	8388
11. 75 and older	5556	21	1685	3850
12. Not stated*	38550	38	7305	31207
Totals	318048	779	98784	218485
H & R Drivers (Not Apprehended)	0	0	0	0

SEX OF DRIVER	Total	Fatal	Injury	P.D.
1. Male	215308	618	64547	150143
2. Female	102740	161	34237	68342
Totals	318048	779	98784	218485

RESIDENCE OF DRIVER	Total	Fatal	Injury	P.D.
1. Local resident	243533	611	78421	164501
2. Residing elsewhere	43443	109	14096	29238
3. Non-resident	3759	15	1055	2689
4. Not stated	27313	44	5212	22057
Totals	318048	779	98784	218485
Driverless Moving	511	0	53	458

MILEAGE RATES	This Year To Date	Last Year Same Period	Percent Change
1. Motor vehicle traffic deaths			%
2. Estimated motor veh. mileage traveled (billions)			%
3. Death rate per 100-million-vehicle-miles			%
4. Fatal accident rate per 100-million-vehicle-miles			%

*Includes Hit & Run Drivers

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Motor Vehicle Traffic Accidents in Michigan

PERIOD YEAR - 1981

Compiled by the Michigan State Police

SUMMARY OF ALL REPORTED ACCIDENTS

COLONEL GERALD L. HOUGH, DIRECTOR

Summary Includes Information Available _____

RURAL

TOTAL ACCIDENTS	NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
	Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
1. Overturned	8152	101	4680	3371	12868	105	6304	6459	1405	2597	2302	8152	105	6304
2. Other Non-collision	1107	8	394	705	2028	8	434	1586	134	184	116	1107	8	434
Collision with: 3. Pedestrian	990	107	858	25	2572	107	941	1524	406	309	226	990	107	941
Collision with: 4. M.V. In Transport	55837	391	18007	37439	186304	458	31730	154116	5273	9849	16608	55837	458	31730
Collision with: 5. M.V.–Other Roadway	37	6	18	13	135	8	51	76	21	11	19	37	8	51
Collision with: 6. Parked M.V.	4931	10	601	4320	6953	10	792	6151	151	353	288	4931	10	792
Collision with: 7. Railroad Train	171	14	81	76	224	16	103	105	34	41	28	171	16	103
Collision with: 8. Pedalcyclist	1115	32	967	116	2883	32	1047	1804	276	539	232	1115	32	1047
Collision with: 9. Animal	20560	3	676	19881	35328	3	791	34534	109	299	383	20560	3	791
Collision with: 10. Fixed Object	28954	277	10324	18353	43678	308	13424	29946	3001	5860	4563	28954	308	13424
Collision with: 11. Other Object	449	1	70	378	799	1	102	696	17	46	39	449	1	102
Totals	122303	950	36676	84677	293772	1056	55719	236997	10827	20088	24804	122303	1056	55719

ON ROADWAY ACCIDENTS	NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
	Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
1. Overturned	1036	11	742	283	1571	12	934	625	216	468	250	1036	12	934
2. Other Non-collision	836	6	309	521	1616	6	337	1273	114	144	79	836	6	337
Collision with: 3. Pedestrian	904	99	782	23	2364	99	847	1418	368	272	207	904	99	847
Collision with: 4. M.V. In Transport	55637	384	17937	37316	185630	448	31602	153580	5252	9801	16549	55637	448	31602
Collision with: 5. M.V.–Other Roadway	37	6	18	13	135	8	51	76	21	11	19	37	8	51
Collision with: 6. Parked M.V.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Collision with: 7. Railroad Train	170	14	80	76	220	16	99	105	34	37	28	170	16	99
Collision with: 8. Pedalcyclist	1085	32	941	112	2812	32	1018	1762	266	527	225	1085	32	1018
Collision with: 9. Animal	20500	3	663	19834	35222	3	773	34446	106	292	375	20500	3	773
Collision with: 10. Fixed Object	499	7	127	365	806	7	173	626	31	80	62	499	7	173
Collision with: 11. Other Object	396	0	57	339	707	0	83	624	15	36	32	396	0	83
Totals	81100	562	21656	58882	231083	631	35917	194535	6423	11668	17826	81100	631	35917

OFF ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS						THIS YEAR TO DATE		
		Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
1. Overturned		7116	90	3938	3088	11297	93	5370	5834	1189	2129	2052	7116	93	5370
2. Other Non-Collision		271	2	85	184	412	2	97	313	20	40	37	271	2	97
Collision with:	3. Pedestrian	86	8	76	2	208	8	94	106	38	37	19	86	8	94
	4. M.V. In Transport	200	7	70	123	674	10	128	536	21	48	59	200	10	128
	5. M.V.—Other Roadway	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6. Parked Motor Vehicle	4931	10	601	4320	6953	10	792	6151	151	353	288	4931	10	792
	7. Railroad Train	1	0	1	0	4	0	4	0	0	4	0	1	0	4
	8. Pedalcyclist	30	0	26	4	71	0	29	42	10	12	7	30	0	29
	9. Animal	60	0	13	47	106	0	18	88	3	7	8	60	0	18
	10. Fixed Object	28455	270	10197	17988	42872	301	13251	29320	2970	5780	4501	28455	301	13251
	11. Other Object	53	1	13	39	92	1	19	72	2	10	7	53	1	19
Totals		41203	388	15020	25795	62689	425	19802	42462	4404	8420	6978	41203	425	19802

ROAD SURFACE	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
Dry	75815	720	23316	51779
Wet	20947	126	6715	14106
Snowy/Icy	24122	92	6156	17874
Other	1419	12	489	918
Total	122303	950	36676	84677

LIGHT CONDITION	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
Daylight	61962	371	19784	41807
Dawn/Dusk	7332	48	1816	5468
Darkness/Lights	5306	58	1818	3430
Darkness/No Lights	47302	470	13192	33640
Not Stated	401	3	66	332
Total	122303	950	36676	84677

AGE	NUMBER OF PERSONS KILLED									
	Total	Male	Female	Driver	Pass.	Ped.	Pedal/ cycle	M/cycle	Farm	Other
0- 4	13	9	4	0	11	2	0	0	0	0
5- 9	36	27	9	0	8	17	9	2	0	0
10-14	35	28	7	1	14	9	8	2	0	1
15-19	171	133	38	81	54	20	5	8	0	3
20-24	189	146	43	105	45	15	4	18	0	2
25-34	238	183	55	140	39	11	3	35	3	7
35-44	109	76	33	72	18	7	0	10	0	2
45-54	82	56	26	55	13	7	1	6	0	0
55-64	67	34	33	41	17	6	1	1	1	0
65-74	57	37	20	32	12	11	1	0	0	1
75 & Over	55	34	21	27	20	8	0	0	0	0
Not Stated	4	3	1	0	2	0	0	2	0	0
Total	1056	766	290	554	253	113	32	84	4	16

AGE	NUMBER OF PERSONS INJURED									
	Total	Male	Female	Driver	Pass.	Ped.	Pedal/ cycle	M/cycle	Farm	Other
0- 4	1308	635	673	0	1240	44	17	2	4	1
5- 9	1604	847	757	2	1250	155	169	14	3	11
10-14	2475	1311	1164	54	1655	176	411	122	13	44
15-19	12062	6988	5074	6169	4716	201	251	619	20	86
20-24	10196	6439	3757	6480	2623	113	57	831	8	84
25-34	12002	7237	4765	8295	2475	138	42	940	12	100
35-44	6165	3335	2830	4386	1249	62	19	385	6	58
45-54	3876	2006	1870	2672	939	48	14	158	7	38
55-64	2815	1397	1418	1899	781	39	4	57	6	29
65-74	1633	721	912	979	593	28	5	17	2	9
75 & Over	873	420	453	517	319	24	1	6	4	2
Not Stated	710	414	296	374	263	11	2	44	4	12
Total	55719	31750	23969	31827	18103	1039	992	3195	89	474

CODE OF INJURY

A—INCAPACITATING INJURY—Any injury other than fatal which prevents normal activities and generally requires hospitalization.

B—NON-INCAPACITATING INJURY—Any injury not incapacitating but evident to others at the scene.

C—POSSIBLE INJURY—No visible injury but complaint of pain or momentary unconsciousness.

TRAFFIC ACCIDENT SUMMARY FOR CITIES

1981

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Adrian	841	1	194	646	1	273
Albion	216	0	47	169	0	57
Algonac	74	0	25	49	0	32
Allegan	183	1	45	137	1	66
Allen Park	1,220	5	388	827	5	565
Alma	314	2	66	246	2	91
Alpena	378	1	108	269	1	155
Ann Arbor	2,500	4	783	1,713	4	1,097
Armada	23	0	6	17	0	11
Bad Axe	152	1	31	120	2	50
Battle Creek	1,759	4	460	1,295	4	635
Bay City	1,257	4	332	921	5	425
Belding	147	0	34	113	0	52
Benton Harbor	613	3	136	474	3	190
Berkley	462	3	168	291	3	231
Bessemer	81	1	13	67	1	20
Beverly Hills	259	0	83	176	0	123
Big Rapids	501	1	90	410	1	126
Birmingham	952	3	232	717	3	336
Blissfield	77	0	23	54	0	36
Bloomfield Hills	245	0	75	170	0	115
Boyne City	112	1	23	88	1	30
Brighton	228	0	63	165	0	90
Buchanan	127	1	25	101	1	30
Burton	913	3	342	568	3	560
Cadillac	437	1	116	320	1	175
Caro	170	0	23	147	0	29
Center Line	383	1	102	280	1	136
Charlevoix	147	0	29	118	0	39
Charlotte	205	0	55	150	0	82
Cheboygan	112	0	44	68	0	58
Chelsea	136	0	28	108	0	37
Chesaning	82	0	17	65	0	28
Clare	133	0	29	104	0	44
Clawson	431	0	130	301	0	166
Clio	73	0	27	46	0	38
Coldwater	372	0	87	285	0	144
Corunna	56	1	16	39	1	27
Davison	129	0	40	89	0	55
Dearborn	3,832	10	1,249	2,573	11	1,796
Dearborn Heights	1,952	7	605	1,340	7	922
Detroit	44,279	137	15,339	28,803	148	23,275
Dowagiac	256	1	46	209	1	51
Durand	93	0	17	76	0	25
East Detroit	1,045	3	287	755	3	403
East Grand Rapids	181	0	37	144	0	45
East Jordan	56	0	15	41	0	23
East Lansing	1,149	1	336	812	1	479
Eaton Rapids	102	1	21	80	1	30
Ecorse	485	2	97	386	2	123
Escanaba	772	2	167	603	2	244
Essexville	82	0	25	57	0	35
Farmington	429	2	126	301	2	166
Farmington Hills	1,645	10	631	1,004	10	992
Fenton	288	1	118	169	1	165
Ferndale	462	5	232	225	5	322
Flat Rock	205	1	54	150	3	82
Flint	6,318	16	1,750	4,552	16	2,535
Flushing	137	1	35	101	1	64
Frankenmuth	118	0	27	91	0	38

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Franklin	68	0	24	44	0	36
Fraser	605	2	196	407	2	307
Fremont	124	0	29	95	0	37
Garden City	989	0	273	716	0	434
Gaylord	160	0	39	121	0	56
Gibralter	87	0	27	60	0	34
Gladstone	142	0	35	107	0	65
Grand Blanc	133	0	37	96	0	49
Grand Haven	518	1	114	403	1	167
Grand Ledge	134	0	31	103	0	37
Grand Rapids	7,513	10	1,902	5,601	10	2,606
Grandville	452	0	138	314	0	205
Grayling	106	0	20	86	0	24
Greenville	303	0	67	236	0	89
Grosse Pointe	73	0	22	51	0	29
Grosse Pointe Farms	188	1	63	124	1	86
Grosse Pointe Park	309	0	73	236	0	98
Grosse Pointe Shores	50	1	19	30	1	27
Grosse Pointe Woods	258	0	54	204	0	67
Hamtramck	672	2	152	518	2	201
Hancock	277	0	34	243	0	50
Harper Woods	266	3	101	162	3	160
Harrison	100	0	29	71	0	39
Hartford	54	0	7	47	0	13
Hastings	215	1	40	174	1	57
Hazel Park	1,170	0	388	782	0	586
Highland Park	948	6	348	594	6	566
Hillsdale	382	0	67	315	0	88
Holland	881	2	278	601	2	400
Holly	102	0	38	64	0	58
Houghton	262	1	44	217	1	60
Howell	241	0	60	181	0	75
Hudson	67	0	11	56	0	20
Hudsonville	77	0	21	56	0	26
Huntington Woods	136	0	37	99	0	52
Inkster	830	3	262	565	3	434
Ionia	262	1	47	214	1	64
Iron Mountain	250	1	80	169	1	120
Iron River	114	0	12	102	0	13
Iron Wood	369	2	72	295	2	98
Ishpeming	209	1	44	164	1	65
Ithaca	65	0	15	50	0	23
Jackson	2,167	4	490	1,673	5	674
Kalamazoo	3,928	2	826	3,100	2	1,120
Keego Harbor	136	0	34	102	0	53
Kentwood	1,049	2	309	738	2	453
Kingsford	128	1	23	104	2	36
Lake Orion	108	0	35	73	0	48
L'Anse	72	0	19	53	0	30
Lansing	5,034	11	1,309	3,714	11	1,895
Lapeer	333	0	100	233	0	148
Lathrup Village	212	1	86	125	1	126
Laurium	41	0	4	37	0	5
Lincoln Park	1,744	5	533	1,206	5	761
Linden	39	0	6	33	0	8
Livonia	3,257	13	1,076	2,168	13	1,603
Lowell	115	2	39	74	3	61
Ludington	351	1	64	286	1	78
Madison Heights	1,388	2	511	875	2	735
Manchester	30	0	5	25	0	5
Manistee	351	1	66	284	1	89
Manistique	115	0	13	102	0	16

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Marine City	193	0	44	149	0	63
Marquette	981	3	201	777	4	269
Marshall	245	2	63	180	2	88
Marysville	166	0	51	115	0	96
Mason	203	0	48	155	0	61
Melvindale	442	1	137	304	1	204
Memphis	18	0	3	15	0	4
Menominee	402	2	110	290	2	151
M.S.U.	295	0	70	225	0	112
Midland	1,215	2	307	906	2	448
Milan	89	0	26	63	0	31
Milford	144	2	28	114	2	36
Monroe	536	3	190	343	3	252
Montrose	40	0	9	31	0	11
Mt. Clemens	738	1	234	503	1	330
Mt. Morris	80	0	25	55	0	39
Mt. Pleasant	706	0	181	525	0	257
Munising	89	1	22	66	1	29
Muskegon	1,764	4	538	1,222	4	780
Muskegon Heights	551	1	120	430	1	156
Negaunee	186	1	40	145	1	53
New Baltimore	187	1	59	127	1	98
New Buffalo	43	0	3	40	0	6
New Haven	43	0	11	32	0	16
Newberry	53	0	10	43	0	17
Niles	487	1	111	375	1	159
North Muskegon	94	0	30	64	0	36
Northville	162	0	49	113	0	67
Norton Shores	588	5	194	389	6	292
Norway	101	0	13	88	0	17
Novi	611	5	228	378	5	375
Oak Park	1,031	1	245	785	1	336
Otsego	90	0	21	69	0	27
Owosso	538	1	131	406	1	179
Oxford	98	0	27	71	0	32
Paw Paw	151	0	33	118	0	47
Petoskey	282	0	53	229	0	75
Plainwell	84	0	24	60	0	35
Pleasant Ridge	144	1	35	108	1	42
Plymouth	284	0	83	201	0	115
Pontiac	2,915	6	868	2,041	6	1,284
Port Huron	1,572	2	314	1,256	2	489
Portage	1,132	2	315	815	3	448
Portland	88	0	18	70	0	24
Richmond	90	0	26	64	0	28
River Rouge	234	1	53	180	1	68
Riverview	315	4	91	220	4	120
Rochester	316	0	60	256	0	79
Rockwood	59	1	16	42	1	24
Rogers City	68	0	12	56	0	16
Romeo	102	0	26	76	0	34
Romulus	1,072	8	379	685	8	577
Roosevelt Park	67	0	19	48	0	27
Roseville	1,948	6	644	1,298	9	941
Royal Oak	2,095	4	719	1,372	4	1,060
Saginaw	3,359	7	1,039	2,313	7	1,567
St. Clair	111	0	23	88	0	26
St. Clair Shores	819	3	511	305	3	732
St. Ignace	75	1	16	58	1	18
St. Johns	295	0	59	236	0	87

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
St. Joseph	441	0	98	343	0	139
St. Louis	85	0	22	63	0	39
Saline	169	0	41	128	0	66
Sault Ste. Marie	521	0	99	422	0	136
South Haven	135	0	32	103	0	36
South Lyon	79	1	22	56	1	30
Southfield	3,250	12	1,055	2,183	13	1,630
Southgate	1,160	2	343	815	2	500
Sparta	74	0	12	62	0	16
Spring Lake	111	1	33	77	1	46
Springfield	182	0	63	119	0	107
Sterling Heights	2,564	12	765	1,787	14	1,166
Sturgis	355	0	82	273	0	117
Swartz Creek	135	1	40	94	1	53
Taylor	2,464	13	891	1,560	14	1,378
Tecumseh	231	1	53	177	1	68
Three Rivers	238	0	61	177	0	83
Traverse City	1,043	1	291	751	1	433
Trenton	359	1	147	211	1	232
Troy	2,365	8	794	1,563	8	1,224
Utica	319	0	97	222	0	154
Vassar	70	0	16	54	0	28
Wakefield	66	0	16	50	0	22
Walker	596	4	177	415	4	282
Walled Lake	186	0	59	127	0	84
Warren	4,766	17	1,705	3,044	17	2,622
Wayne	599	1	213	385	1	312
W.M.U.	88	0	17	71	0	19
Westland	1,529	7	684	838	7	1,087
Whitehall	121	0	31	90	0	48
Williamston	44	0	7	37	0	7
Wixom	156	2	46	108	2	63
Wolverine Lake	35	0	7	28	0	8
Woodhaven	317	1	108	208	1	173
Wyandotte	1,139	1	228	910	1	315
Wyoming	2,343	9	652	1,682	10	938
Ypsilanti	996	2	267	727	2	368
Zeeland	89	0	16	73	0	20
Avon Twp.	1,129	7	370	752	7	573
Battle Creek Twp.	761	2	213	546	2	319
Benton Twp.	805	4	230	571	6	360
Blackman Twp.	634	4	193	437	4	309
Bloomfield Twp.	1,167	5	392	770	5	617
Bridgeport Twp.	457	5	133	319	5	216
Buena Vista Twp.	521	2	166	353	2	266
Clay Twp.	188	4	59	125	4	83
Clinton Twp.	2,388	6	856	1,526	6	1,315
Davison Twp.	229	2	81	146	3	115
Delhi Twp.	450	1	138	311	1	212
DeWitt Twp.	372	0	99	273	0	133
Emmett Twp.	420	1	145	274	1	227
Flint Twp.	1,234	8	423	803	10	605
Genesee Twp.	568	4	228	336	4	363
Grand Blanc Twp.	455	5	158	292	5	236
Green Oak Twp.	211	2	71	138	2	100
Grosse Ile Twp.	121	0	41	80	0	55
Hampton Twp.	232	0	69	163	0	100
Huron Twp.	196	4	71	121	4	121
Kalamazoo Twp.	503	2	141	360	2	196
Leoni Twp.	522	6	160	356	6	229
Meridian Twp.	877	4	281	592	4	418
Montrose Twp.	82	1	30	51	1	42

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Mt. Morris Twp.	836	7	292	537	7	437
Napoleon Twp.	170	1	44	125	1	76
Niles Twp.	362	2	98	262	2	168
Northville Twp.	237	2	89	146	2	149
Oakland Twp.	199	2	79	118	2	133
Pontiac Twp.	742	1	278	463	1	445
Redford Twp.	1,568	5	548	1,015	5	798
Richfield Twp.	147	1	47	99	1	67
Saginaw Twp.	1,304	4	400	900	4	605
St. Joseph Twp.	265	1	80	184	1	112
Shelby Twp.	892	4	298	590	4	448
Vienna Twp.	301	1	130	170	1	226
Waterford Twp.	2,393	12	924	1,457	13	1,426
West Bloomfield Twp.	968	2	251	715	3	371
White Lake Twp.	436	5	161	270	5	240
Wright Twp.	22	0	11	11	0	20

REPORTED STATEWIDE TRAFFIC ACCIDENTS BY COUNTY IN MICHIGAN

County	All	Fatal	Injury	Property Damage	Inter-State	Local Street	State Route	Persons Killed	Persons Injured
Alcona	333	2	88	243	0	202	131	3	145
Alger	363	2	90	271	0	148	215	2	125
Allegan	2,281	23	637	1,621	128	1,487	666	25	979
Alpena	942	4	261	677	0	526	416	4	380
Antrim	499	2	150	347	0	288	211	2	211
Arenac	627	8	145	474	48	302	277	10	249
Baraga	295	2	71	222	0	169	126	2	116
Barry	1,565	10	368	1,187	0	1,087	478	13	558
Bay	3,558	16	1,097	2,445	184	2,065	1,309	18	1,567
Benzie	434	1	111	322	0	240	194	2	169
Berrien	5,686	37	1,533	4,116	780	3,513	1,393	45	2,262
Branch	1,305	6	332	967	119	801	385	6	516
Calhoun	5,225	25	1,460	3,740	737	3,457	1,031	26	2,135
Cass	1,582	10	374	1,198	0	913	669	14	523
Charlevoix	713	5	174	534	0	367	346	8	260
Cheboygan	651	1	224	426	66	358	227	2	318
Chippewa	906	10	194	702	207	571	128	13	285
Clare	1,103	9	243	851	0	541	562	12	380
Clinton	1,854	10	490	1,354	148	1,179	527	12	731
Crawford	541	2	135	404	161	224	156	2	200
Delta	1,607	6	397	1,204	0	1,038	569	6	596
Dickinson	945	6	207	732	0	436	509	9	310
Eaton	2,674	13	817	1,844	274	1,251	1,149	16	1,243
Emmet	971	2	269	700	8	498	465	3	415
Genesee	13,392	69	4,284	9,039	803	9,325	3,264	72	6,382
Gladwin	718	3	156	559	0	399	319	3	248
Gogebic	771	4	170	597	0	426	345	4	230
Grand Traverse	2,451	14	770	1,667	0	1,547	904	14	1,165
Gratiot	1,279	8	333	938	0	671	608	8	537

REPORTED STATEWIDE TRAFFIC ACCIDENTS BY COUNTY IN MICHIGAN (Continued)

County	All	Fatal	Injury	Property Damage	Inter-State	Local Street	State Route	Persons Killed	Persons Injured
Hillsdale	1,405	12	362	1,031	0	882	523	13	601
Houghton	1,140	4	233	903	0	430	710	5	322
Huron	1,223	12	286	925	0	652	571	14	416
Ingham	9,822	24	2,635	7,163	1,148	5,707	2,967	25	3,844
Ionia	1,831	8	471	1,352	138	1,185	508	8	733
Iosco	1,064	6	247	811	0	549	515	6	379
Iron	481	2	97	382	0	231	250	2	141
Isabella	1,724	14	453	1,257	0	1,109	615	16	695
Jackson	5,499	35	1,490	3,974	852	3,678	969	39	2,191
Kalamazoo	7,799	22	1,907	5,870	735	5,628	1,436	23	2,655
Kalkaska	501	3	131	367	0	266	235	3	201
Kent	16,354	64	4,408	11,882	774	11,384	4,196	68	6,309
Keweenaw	83	0	22	61	0	37	46	0	34
Lake	460	5	86	369	0	288	172	5	126
Lapeer	1,942	12	572	1,358	0	1,271	671	13	855
Leelanau	461	3	150	308	0	240	221	3	208
Lenawee	3,001	17	857	2,127	0	1,712	1,289	18	1,231
Livingston	2,664	24	848	1,792	410	1,799	455	28	1,294
Luce	218	2	52	164	0	113	105	2	77
Mackinac	450	11	101	338	38	160	252	12	152
Macomb	19,016	77	6,612	12,327	809	12,676	5,531	85	9,949
Manistee	896	9	208	679	0	531	365	11	309
Marquette	2,405	15	595	1,795	0	1,509	896	17	840
Mason	1,163	4	265	894	0	702	461	4	399
Mecosta	1,556	7	299	1,250	0	813	743	7	445
Menominee	1,227	6	243	978	0	707	520	6	356
Midland	2,333	14	645	1,674	0	1,726	607	16	937
Missaukee	404	4	75	325	0	190	214	4	117
Monroe	3,607	27	1,183	2,397	294	2,231	1,082	27	1,751
Montcalm	1,875	14	393	1,468	0	1,043	832	17	586
Montmorency	300	0	61	239	0	176	124	0	80
Muskegon	4,793	24	1,482	3,287	289	3,438	1,066	28	2,129
Newaygo	1,373	14	356	1,003	0	871	502	18	548
Oakland	32,852	143	10,958	21,751	1,963	23,892	6,997.997	148	16,494
Oceana	691	9	188	494	0	470	221	11	276
Ogemaw	794	4	154	636	165	437	192	4	234
Ontonagon	356	1	72	283	0	111	245	1	102
Osceola	867	7	164	696	0	463	404	8	277
Oscoda	368	2	79	287	0	198	170	4	115
Otsego	522	4	153	365	61	310	151	4	237
Ottawa	4,099	22	1,213	2,864	219	2,811	1,069	24	1,787
Presque Isle	417	4	94	319	0	217	200	5	146
Roscommon	841	8	205	628	64	386	391	8	296
Saginaw	8,091	31	2,486	5,574	433	5,124	2,534	33	3,857
St. Clair	4,329	27	1,212	3,090	135	2,475	1,719	27	1,899
St. Joseph	1,904	14	505	1,385	0	972	932	16	730
Sanilac	1,109	10	310	789	0	608	501	11	497
Schoolcraft	340	3	74	263	0	131	209	3	100
Shiawassee	1,932	24	559	1,349	163	1,170	599	24	827
Tuscola	1,520	11	456	1,053	0	935	585	11	695
Van Buren	1,996	15	578	1,403	328	1,221	447	18	881
Washtenaw	7,856	33	2,422	5,401	845	5,157	1,854	36	3,496
Wayne	76,540	271	25,814	50,455	6,381	54,133	16,026	286	38,926
Wexford	1,066	5	287	774	0	462	604	8	438
TOTALS	**302,831**	**1,453**	**91,388**	**209,990**	**19,907**	**199,646**	**83,278**	**1,589**	**136,455**

ST-1 (Part 2) Rev. 1-71

RURAL

RRURAL

MUNICIPALITIES	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		Total	On Roadway	Off Roadway	Total	On Roadway	Off Roadway	A	B	C	Not Injured	Killed	Injured	Killed	Injured
1. Townships	271909	1016	605	411	52990	33857	19133	10344	19114	23532	217903	605	33857	411	19133
2. Under 1,000	5872	16	9	7	779	564	215	153	265	361	5077	9	564	7	215
3. 1,000 - 2,500	15991	24	17	7	1950	1496	454	330	709	911	14017	17	1496	7	454
4. 2,500 - 5,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5. 5,000 - 10,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6. 10,000 - 25,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. 25,000 - 50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. 50,000 - 100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. 100,000 - 250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10. 250,000 or more	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals	293772	1056	631	425	55719	35917	19802	10827	20088	24804	236997	631	35917	425	19802

MUNICIPALITIES	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.
1. Townships	113776	914	34762	78100	75403	538	20258	54607	38373	376	14504	23493	113776	914	34762	78100
2. Under 1,000	2354	12	532	1810	1468	7	368	1093	886	5	164	717	2354	12	532	1810
3. 1,000 - 2,500	6173	24	1382	4767	4229	17	1030	3182	1944	7	352	1585	6173	24	1382	4767
4. 2,500 - 5,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5. 5,000 - 10,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6. 10,000 - 25,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. 25,000 - 50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. 50,000 - 100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. 100,000 - 250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10. 250,000 or more	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals	122303	950	36676	84677	81100	562	21656	58882	41203	388	15020	25795	122303	950	36676	84677

CLASS OF TRAFFICWAY	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		Total	On Roadway	Off Roadway	Total	On Roadway	Off Roadway	A	B	C	Not Injured	Killed	Injured	Killed	Injured
1. Interstate System	14938	69	40	29	2921	1467	1454	579	981	1361	11948	40	1467	29	1454
2. Other Full Control	2928	12	4	8	493	213	280	98	167	228	2423	4	213	8	280
3. Other US Route	29356	97	74	23	5034	3829	1205	912	1723	2399	24225	74	3829	23	1205
4. Other State M Routes	67293	263	183	80	12205	9637	2568	2396	4030	5779	54825	183	9637	80	2568
5. Other Major Arterial	4405	10	8	2	778	672	106	98	270	410	3617	8	672	2	106
6. County Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Local Streets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Other Trafficways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Local Roads--N.K.	174852	605	322	283	34288	20099	14189	6744	12917	16627	139959	322	20099	283	14189
Totals	293772	1056	631	425	55719	35917	19802	10827	20088	24804	236997	631	35917	425	19802

CLASS OF TRAFFICWAY	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.
1. Interstate System	6495	63	1932	4500	3690	34	854	2802	2805	29	1078	1698	6495	63	1932	4500
2. Other Full Control	1336	11	352	973	764	4	138	622	572	7	214	351	1336	11	352	973
3. Other US Route	11299	82	3157	8060	8487	61	2208	6218	2812	21	949	1842	11299	82	3157	8060
4. Other State M Routes	25754	229	7574	17951	20305	157	5543	14605	5449	72	2031	3346	25754	229	7574	17951
5. Other Major Arterial	1494	9	498	987	1264	8	408	848	230	1	90	139	1494	9	498	987
6. County Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Local Streets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Other Trafficways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Local Roads–N.K.	75925	556	23163	52206	46590	298	12505	33787	29335	258	10658	18419	75925	556	23163	52206
Totals	122303	950	36676	84677	81100	562	21656	58882	41203	388	15020	25795	122303	950	36676	84677

PEDESTRIAN ACCIDENTS	ALL ACCIDENTS			FATAL			INJURY			PROPERTY DAMAGE		
	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter	Not At Inter.
1. Car Going Straight	854	179	675	104	8	96	728	163	565	22	8	14
2. Car Turning Right	22	16	6	0	0	0	21	15	6	1	1	0
3. Car Turning Left	40	23	17	2	0	2	36	22	14	2	1	1
4. Car Backing	40	7	33	1	0	1	39	7	32	0	0	0
5. All Others	32	4	28	0	0	0	32	4	28	0	0	0
6. Not Stated	2	0	2	0	0	0	2	0	2	0	0	0
Totals	990	229	761	107	8	99	858	211	647	25	10	15

PEDESTRIAN ACTIONS BY AGE	PEDESTRIANS KILLED	AGE OF PEDESTRIANS KILLED AND INJURED									
		Total	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 44	45 to 64	65 & Older	Not Stated
1a. Crossing at intersection or in crosswalk	4	172	11	30	40	23	11	31	12	14	0
1b. Crossing not at intersection or in crosswalk	30	348	28	108	72	43	22	26	17	27	5
2a. Walking in roadway–with traffic	19	122	1	3	19	19	18	26	9	6	1
2b. Walking in roadway–against traffic	6	26	0	0	4	7	2	10	2	2	0
3. Standing in roadway	30	98	1	5	6	21	25	26	10	4	0
4. Pushing or working on vehicle in roadway	2	41	0	0	2	11	6	17	3	1	1
5. Other working in roadway	1	14	0	0	0	1	3	5	4	1	0
6. Playing in roadway	6	20	2	8	6	2	1	1	0	0	0
7. Other in roadway	1	110	1	7	7	26	18	30	16	4	1
8. Not in roadway	13	193	2	11	28	46	20	45	27	11	3
9. Not Stated	1	8	0	0	1	3	2	1	0	1	0
Totals	113	1152	46	172	185	221	128	218	100	71	11

RURAL

TWO MOTOR VEHICLE ACCIDENTS		Total	Fatal	Injury	P.D.
At Intersection	1. Entering at angle	11920	123	4389	7408
	2a. From same direction—Both Going Straight	1699	2	403	1294
	2b. Same—one turn, one straight	2768	4	677	2087
	2c. Same—one stopped	4751	2	1650	3099
	2d. Same—all others	482	0	21	461
	3a. From opposite direction—Both Going Straight	822	12	325	485
	3b. Same—one left turn, one straight	2977	15	1344	1618
	3c. Same—all others	153	1	42	110
	4. Not stated	777	0	80	697
Totals		26349	159	8931	17259

TWO MOTOR VEHICLE ACCIDENTS		Total	Fatal	Injury	P.D.
Not At Intersection	1. Going opposite direction—Both Moving	4887	168	1940	2779
	2. Going same direction—Both Moving	7364	31	1918	5415
	3a. One car parked	4154	10	521	3623
	3b. One car stopped in traffic	4663	13	1639	3011
	4a. One car entering parked pos.	64	0	16	48
	4b. One car leaving parked pos.	297	0	39	258
	5a. One car enter. driveway access	6550	14	2139	4397
	5b. One car leaving d/way access	5834	7	1328	4499
	6. All others/not stated	643	5	155	483
Totals		34456	248	9695	24513

ALL OTHER ACCIDENTS			Total	Fatal	Injury	P.D.
At Inter.	Collision With:	1. Other road veh., or RR train	428	4	363	61
		2. Fixed object	5246	15	1704	3527
		3. Other object or animal	389	0	31	358
	4. Overturning		865	7	572	286
	5. Other noncollision		178	1	93	84
Not At Inter.	Collision With:	6. Other road veh., or RR train	858	42	685	131
		7. Fixed Object	23708	262	8620	14826
		8. Other object or animal	20620	4	715	19901
	9. Overturning		7287	94	4108	3085
	10. Other noncollision		926	7	298	621
	11. Not stated		3	0	3	0
Totals			60508	436	17192	42880

RURAL

HAZARDOUS ACTION*	NUMBER OF TRAFFIC UNITS			
	TOTAL	Fatal	Injury	P.D.
1. No Violation	88636	611	24709	63316
2. Speed Too Fast	20631	283	8329	12019
3. Speed Too Slow	137	3	72	62
4. Disregard Control/ROW	18735	228	7650	10857
5. Wrong Way	136	8	65	63
6. Left Center/Improper Pass/Lane	10781	182	3155	7444
7. Improper Turn/Signal	3906	13	1023	2870
8. Improper Backing/Start	3837	3	249	3585
9. Following/Unable To Stop	33843	153	12398	21292
10. Other/Not Known	3348	85	1176	2087
11.				
12.				
13.				
14.				
Totals	183990	1569	58826	123595

CONTRIBUTING CIRCUMSTANCE*	NUMBER OF TRAFFIC UNITS			
	TOTAL	Fatal	Injury	P.D.
1. None	81035	514	22295	58226
2. DUIL/Drugs	4732	338	2038	2356
3. Reckless/Careless	5013	57	2812	2144
4. Inattention/Ill/Etc.	3276	22	1463	1791
5. Violation License Restriction	24	0	9	15
6. Obscured Vision	3085	22	987	2076
7. Defective Equipment	2644	14	931	1699
8. Lost Control/Load/Wind	171	0	56	115
9. Skidding	9999	63	3133	6803
10. Other/Not Known	74011	539	25102	48370
11.				
12.				
13.				
14.				
Totals	183990	1569	58826	123595

*Includes pedestrians and drivers

MANNER OF TWO MOTOR VEHICLE COLLISION	Total	Fatal	Injury	P.D.
1. Head on	5318	175	2146	2997
2. Rear end	7688	32	2043	5613
3. Sideswipe-meeting	222	1	53	168
4. Sideswipe-passing	426	0	55	371
5. Angle	7280	118	3286	3876
6. Backed into	1266	1	91	1174
7. All others	38581	80	10946	27555
8. Not stated	24	0	6	18
Totals	60805	407	18626	41772

TYPE OF VEHICLE	Total	Fatal	Injury	P.D.
1. Passenger car	135030	956	42458	91616
2. Passenger car and trailer	844	2	208	634
3. Truck or truck tractor	32005	260	8833	22912
4. Truck tractor and semi-trailer	2524	53	697	1774
5. Other truck combination	1088	10	266	812
6. Farm tractor and/or farm equip.	313	4	128	181
7. Bus	154	2	47	105
8. School Bus	610	3	132	475
9. Motorcycle/Motor scooter	3329	86	2849	394
10. Other/not stated	5935	37	1209	4689
Totals	181832	1413	56827	123592

DRINKING CONDITION DRIVERS	NUMBER OF DRIVERS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	24043	581	11081	12381
2. Not known if drinking	9701	39	2099	7563
3. Had not been drinking	147907	793	43614	103500
Totals	181651	1413	56794	123444

DRINKING IN ACCIDENT	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	23081	557	10583	11941
2. Not known if drinking	4327	11	710	3606
3. Had not been drinking	94895	382	25383	69130
Totals	122303	950	36676	84677

DRINKING CONDITION PEDESTRIAN	NUMBER OF PEDESTRIANS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	71	45	25	1
2. Not known if drinking	993	22	943	28
3. Had not been drinking	127	57	69	1
Totals	1191	124	1037	30

AGE OF DRIVER	NUMBER OF DRIVERS			
	Total	Fatal	Injury	P.D.
1. 15 and Younger	718	14	386	318
2. 16	6660	23	2225	4412
3. 17	8967	65	2954	5948
4. 18 to 19	17605	110	5656	11839
5. 20 to 24	32993	275	11003	21715
6. 25 to 34	43951	386	14065	29500
7. 35 to 44	24946	193	7740	17013
8. 45 to 54	16147	137	4831	11179
9. 55 to 64	11527	86	3470	7971
10. 65 to 74	5894	64	1799	4031
11. 75 and older	2721	41	926	1754
12. Not stated*	9522	19	1739	7764
Totals	181651	1413	56794	123444
H & R Drivers (Not Apprehended)	0	0	0	0

SEX OF DRIVER	Total	Fatal	Injury	P.D.
1. Male	126780	1114	38460	87206
2. Female	54871	299	18334	36238
Totals	181651	1413	56794	123444

RESIDENCE OF DRIVER	Total	Fatal	Injury	P.D.
1. Local resident	127747	895	41020	85832
2. Residing elsewhere	41254	419	12775	28060
3. Non-resident	4507	56	1456	2995
4. Not stated	8143	43	1543	6557
Totals	181651	1413	56794	123444
Driverless Moving	181	0	33	148

MILEAGE RATES	This Year To Date	Last Year Same Period	Percent Change
1. Motor vehicle traffic deaths			%
2. Estimated motor veh. mileage traveled (billions)			%
3. Death rate per 100-million-vehicle-miles			%
4. Fatal accident rate per 100-million-vehicle-miles			%

*Includes Hit & Run Drivers

MOTOR VEHICLE TRAFFIC DEATHS BY COUNTY

County	1977	1978	1979	1980	1981	5 Year Total
POPULATION UNDER 10,000						
Alcona	9	7	4	1	3	24
Alger	6	4	6	3	2	21
Baraga	5	4	4	7	2	22
Benzie	7	2	5	7	2	23
Crawford	8	9	6	3	2	28
Kalkaska	1	4	3	3	3	14
Keweenaw	2	1	0	1	0	4
Lake	3	1	7	5	5	21
Luce	3	3	4	2	2	14
Mackinac	4	7	1	3	12	27
Missaukee	2	8	5	4	3	23
Montmorency	4	2	4	2	0	12
Oscoda	3	6	10	2	4	25
Roscommon	5	18	8	12	8	51
Schoolcraft	7	6	5	1	3	22
POPULATION 10,000 - 15,000						
Antrim	6	6	10	4	2	28
Arenac	7	10	8	5	10	40
Gladwin	6	2	3	3	3	17
Iron	5	3	1	2	2	13
Leelanau	6	4	2	9	3	24
Ogemaw	3	10	7	7	4	31
Ontonagon	8	9	5	1	1	24
Osceola	6	4	4	5	8	27
Otsego	7	3	2	8	4	24
Presque Isle	9	11	5	2	5	32
POPULATION 15,000 - 25,000						
Charlevoix	8	13	5	3	8	37
Cheboygan	9	9	4	6	2	30
Clare	12	13	10	5	12	52
Dickinson	8	3	7	6	9	33
Emmet	13	7	3	5	3	31
Gogebic	6	5	4	5	4	24
Iosco	12	8	12	7	6	45
Manistee	2	6	4	3	11	26
Mason	7	13	6	10	4	40
Menominee	14	9	4	2	6	35
Oceana	10	12	7	11	11	51
Wexford	10	7	12	6	8	43
POPULATION 25,000 - 50,000						
Alpena	5	9	10	13	4	41
Barry	16	14	12	11	13	66
Branch	14	11	12	9	6	52
Cass	18	24	20	18	14	94
Chippewa	5	5	11	7	13	41
Clinton	20	24	12	16	12	84
Delta	21	17	12	14	6	70
Grand Traverse	14	16	23	16	14	83
Gratiot	15	12	20	8	8	63
Hillsdale	7	12	12	14	13	58
Houghton	3	8	6	5	5	27
Huron	14	11	13	19	14	71
Ionia	16	12	22	16	8	74

MOTOR VEHICLE TRAFFIC DEATHS BY COUNTY (Continued)

County	1977	1978	1979	1980	1981	5 Year Total
POPULATION 25,000 - 50,000 (Continued)						
Isabella	15	11	7	3	16	52
Mecosta	11	8	11	9	7	46
Montcalm	23	18	12	27	17	97
Newaygo	11	21	9	12	18	71
St. Joseph	21	14	14	15	16	80
Sanilac	12	18	9	8	11	58
Tuscola	14	25	19	21	11	90
POPULATION 50,000 - 100,000						
Allegan	32	20	27	27	25	131
Eaton	19	28	23	19	16	105
Lapeer	19	34	22	26	13	114
Lenawee	21	26	24	19	18	108
Livingston	24	34	27	31	28	144
Marquette	17	13	22	14	17	83
Midland	15	19	17	11	16	78
Shiawassee	18	12	21	11	24	86
Van Buren	28	23	26	15	18	110
POPULATION OVER 100,000						
Bay	42	32	30	25	18	147
Berrien	30	41	31	37	45	184
Calhoun	20	28	28	32	26	134
Genesee	108	104	85	83	72	452
Ingham	39	35	21	31	25	151
Jackson	29	36	32	28	39	164
Kalamazoo	36	45	49	44	23	197
Kent	61	83	64	72	68	348
Macomb	90	113	89	106	85	483
Monroe	42	44	34	35	27	182
Muskegon	26	43	30	44	28	171
Oakland	152	178	165	153	148	796
Ottawa	30	28	35	28	24	145
Saginaw	63	53	54	45	33	248
St. Clair	42	45	36	30	27	180
Washtenaw	69	64	58	42	36	269
Wayne	360	356	337	333	286	1,672
TOTALS	1,950	2,076	1,849	1,774	1,589	9,238

MOTOR VEHICLE TRAFFIC DEATHS IN CITIES 10,000 POPULATION AND OVER

City	1977	1978	1979	1980	1981	5 Year Total
POPULATION 10,000 - 15,000						
Albion	0	0	1	1	0	2
Alpena	0	0	0	0	1	1
Beverly Hills	1	1	1	1	0	4
Big Rapids	1	0	0	2	1	4
Center Line	0	0	1	1	1	3
East Grand Rapids	0	0	0	2	0	2
Farmington	1	0	2	1	2	6
Fraser	4	2	2	2	2	12
Grand Haven	0	0	0	2	1	3
Grandville	1	4	1	2	0	8
Grosse Pointe Farms	3	1	0	1	1	6
Melvindale	3	2	3	0	1	9
Menominee	1	1	0	0	2	4
Niles	0	1	1	1	1	4
Plymouth	1	1	0	1	0	3
Riverview	0	0	0	0	4	4
St. Joseph	0	0	1	1	0	2
Walker	2	7	5	4	4	22
POPULATION 15,000 - 25,000						
Adrian	0	3	1	1	1	6
Benton Harbor	2	1	1	0	3	7
Berkley	1	1	1	3	3	9
Clawson	1	1	2	0	0	4
Ecorse	0	2	4	2	2	10
Escanaba	0	3	2	2	2	9
Grosse Pointe Park	0	1	1	0	0	2
Grosse Pointe Woods	0	2	0	0	0	2
Harper Woods	0	5	2	0	3	10
Hazel Park	1	3	3	4	0	11
Kentwood	3	6	3	1	2	15
Marquette	2	1	3	4	4	14
Monroe	4	2	1	1	3	11
Mount Clemens	3	2	3	0	1	9
Mount Pleasant	2	1	0	0	0	3
Muskegon Heights	1	0	1	1	1	4
Norton Shores	4	5	2	2	6	19
Owosso	3	1	0	0	1	5
River Rouge	1	0	0	0	1	2
Romulus	10	8	12	17	8	55
Sault Ste. Marie	1	1	1	1	0	4
Traverse City	5	1	2	2	1	11
Trenton	4	0	2	2	1	9
Wayne	1	3	5	1	1	11
POPULATION 25,000 - 50,000						
Allen Park	8	10	4	4	5	31
Battle Creek	3	10	4	6	4	27
Bay City	2	4	2	4	5	17
Birmingham	2	3	0	0	3	8
East Detroit	3	3	5	2	3	16
East Lansing	4	1	1	3	1	10
Ferndale	2	3	4	1	5	15
Garden City	4	1	3	0	0	8
Hamtramck	3	5	2	0	2	12
Highland Park	5	7	7	4	6	29
Holland	3	2	7	2	2	16

MOTOR VEHICLE TRAFFIC DEATHS IN CITIES 10,000 POPULATION AND OVER (Continued)

City	1977	1978	1979	1980	1981	5 Year Total
POPULATION 25,000 - 50,000 (Continued)						
Inkster	4	5	4	1	3	17
Jackson	2	4	2	1	5	14
Madison Heights	1	1	2	4	2	10
Midland	3	7	6	4	2	22
Muskegon	7	4	5	5	4	25
Oak Park	2	3	3	2	1	11
Portage	5	7	6	8	3	29
Port Huron	8	5	6	4	2	25
Southgate	3	8	3	2	2	18
Troy	11	13	14	10	8	56
Wyandotte	3	2	2	0	1	8
Ypsilanti	2	4	0	4	2	12
POPULATION OVER 50,000						
Ann Arbor	4	8	7	4	4	27
Dearborn	17	16	14	19	11	77
Dearborn Heights	10	3	4	10	7	34
Detroit	195	172	175	162	148	852
Flint	16	32	14	24	16	102
Grand Rapids	16	13	11	19	10	69
Kalamazoo	5	8	7	7	2	29
Lansing	10	9	6	11	11	47
Lincoln Park	5	8	2	4	5	24
Livonia	9	16	10	14	13	62
Pontiac	13	13	9	11	6	52
Roseville	7	14	9	7	9	46
Royal Oak	4	7	8	12	4	35
Saginaw	11	6	14	3	7	41
St. Clair Shores	5	4	2	6	3	20
Southfield	12	13	8	8	13	54
Sterling Heights	7	9	8	14	14	52
Taylor	15	14	9	21	14	73
Warren	19	18	17	22	17	93
Westland	11	12	15	9	7	54
Wyoming	6	9	5	10	10	40

DEATHS, INJURIES AND ACCIDENTS BY LOCATIONS

Year	Total	Statewide		Rural	
		Urban	Rural	Trunkline	County Road
DEATHS					
1962	1,574	470	1,104	577	527
1963	1,887	594	1,293	670	623
1964	2,122	698	1,424	706	718
1965	2,136	708	1,428	743	685
1966	2,298	748	1,550	812	738
1967	2,137	719	1,418	734	684
1968	2,392	703	1,689	865	824
1969	2,487	769	1,718	908	810
1970	2,177	662	1,515	746	769
1971	2,152	661	1,491	737	754
1972	2,258	737	1,521	743	778
1973	2,213	709	1,504	730	774
1974	1,875	640	1,235	533	702
1975	1,811	610	1,201	692	509
1976	1,955	691	1,264	569	695
1977	1,950	628	1,322	605	717
1978	2,076	679	1,399	641	758
1979	1,849	580	1,269	579	690
1980	1,774	601	1,173	518	655
1981	1,589	533	1,056	451	605
INJURIES					
1962	108,143	68,634	39,509	19,677	19,832
1963	126,896	81,436	45,460	22,024	23,436
1964	144,623	92,828	51,795	24,750	27,045
1965	155,258	99,225	56,033	27,025	29,008
1966	156,694	97,983	58,711	26,907	31,804
1967	151,297	95,583	55,714	26,122	29,592
1968	161,413	99,813	60,600	27,386	33,214
1969	175,400	114,409	60,991	27,790	33,201
1970	161,719	102,960	58,759	26,205	32,554
1971	157,664	99,762	57,902	25,800	32,012
1972	178,929	115,834	63,095	28,147	34,948
1973	169,485	108,170	61,315	25,599	35,716
1974	141,132	88,755	52,377	20,209	32,168
1975	147,299	91,573	55,726	21,053	34,673
1976	162,894	99,704	63,190	25,251	37,939
1977	166,389	99,612	66,777	26,927	39,850
1978	169,202	99,533	69,669	28,194	41,475
1979	162,571	97,167	65,404	26,171	39,233
1980	144,972	85,760	59,212	22,508	36,704
1981	136,455	80,736	55,719	21,431	34,288
ACCIDENTS					
1962	233,078	173,973	59,285	27,961	31,324
1963	261,794	196,131	65,663	30,017	35,645
1964	284,444	210,951	73,493	33,761	39,732
1965	310,598	228,091	82,507	37,859	44,648
1966	302,880	215,172	87,708	38,875	48,833
1967	299,004	212,094	86,910	38,233	48,677
1968	305,495	209,854	95,641	42,021	53,620
1969	331,223	231,375	99,848	44,131	55,717
1970	313,715	210,932	102,783	44,984	57,799
1971	314,015	204,095	109,920	48,941	60,979
1972	359,745	236,116	123,629	53,673	69,956
1973	350,864	228,660	122,204	50,431	71,773
1974	324,763	210,716	114,047	43,396	70,651
1975	333,560	213,934	119,626	44,707	74,919
1976	365,600	232,293	133,307	52,401	80,906
1977	374,751	232,322	142,429	55,813	86,616
1978	389,193	239,201	149,992	58,582	91,410
1979	366,435	226,717	139,718	54,759	84,959
1980	314,594	189,285	125,309	46,853	78,456
1981	302,831	180,528	122,303	46,378	75,925

MOTOR VEHICLE TRAFFIC DEATHS IN MICHIGAN BY MONTH

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1937	189	127	149	142	161	176	221	234	202	224	181	169	2,175
1938	118	65	84	91	109	99	126	139	153	164	161	145	1,454
1939	101	89	103	80	118	122	172	150	128	166	164	187	1,580
1940	122	98	137	99	130	141	127	161	158	216	184	157	1,730
1941	131	128	152	128	193	178	195	231	176	230	219	172	2,133
1942	139	114	89	96	129	92	120	125	146	109	87	79	1,325
1943	59	51	79	44	75	89	82	67	110	118	96	122	992
1944	130	100	81	82	49	57	59	95	68	97	116	100	1,034
1945	71	60	85	78	74	71	94	88	118	160	131	120	1,150
1946	107	98	121	88	110	106	119	130	123	143	160	165	1,470
1947	86	86	85	113	124	114	134	149	134	142	145	135	1,447
1948	89	64	92	109	125	118	138	134	150	133	165	195	1,512
1949	101	82	106	91	110	99	116	138	169	144	149	136	1,441
1950	105	84	87	139	122	125	153	152	157	174	154	153	1,605
1951	131	103	103	117	119	137	170	163	158	146	160	133	1,640
1952	81	121	125	94	145	169	140	184	181	152	166	178	1,736
1953	139	116	136	132	134	173	176	183	187	187	167	175	1,905
1954	130	126	100	119	149	132	182	167	168	167	153	200	1,793
1955	134	117	116	160	157	192	169	209	160	204	208	190	2,016
1956	166	136	132	140	133	115	149	159	169	144	145	158	1,746
1957	121	98	118	118	130	122	127	152	123	143	135	161	1,548
1958	94	90	95	89	92	112	120	134	132	113	165	146	1,382
1959	76	69	91	126	126	124	148	128	155	125	144	161	1,473
1960	139	76	102	105	107	133	159	154	137	186	152	154	1,604
1961	105	99	113	138	133	114	141	166	128	139	148	143	1,567
1962	94	70	115	110	123	147	166	175	170	172	118	114	1,574
1963	107	95	124	142	148	173	188	177	163	179	196	195	1,887
1964	170	159	158	144	164	167	217	197	177	199	177	193	2,122
1965	153	113	135	143	156	181	211	220	193	214	172	245	2,136
1966	147	156	179	151	207	204	212	206	203	220	205	208	2,298
1967	130	105	141	162	187	140	210	189	223	230	216	204	2,137
1968	130	147	164	150	240	214	208	233	209	248	283	166	2,392
1969	137	158	173	169	239	236	218	254	230	236	219	218	2,487
1970	167	143	160	141	214	205	197	204	213	217	178	138	2,177
1971	137	124	155	144	187	212	222	227	155	209	202	178	2,152
1972	156	161	155	150	204	209	225	210	225	219	174	170	2,258
1973	187	156	173	140	180	230	225	201	204	209	171	137	2,213
1974	111	112	107	116	144	197	189	178	200	195	201	125	1,875
1975	120	97	112	93	149	169	195	203	190	162	161	160	1,811
1976	118	102	134	150	163	169	196	227	189	171	174	162	1,955
1977	126	87	122	143	184	179	223	194	164	189	181	158	1,950
1978	98	104	128	177	178	203	206	229	214	199	183	157	2,076
1979	102	103	129	152	146	155	190	171	174	187	171	169	1,849
1980	117	131	109	116	153	170	142	183	192	152	133	176	1,774
1981	99	100	108	116	116	155	159	171	149	155	113	148	1,589

TREND DATA FOR FATAL ACCIDENTS

Trend Data	1977	1978	1979	1980	1981
AGE OF PERSONS KILLED, TOTAL					
0 - 4 years	49	47	39	41	24
5 - 9 years	62	74	57	52	53
10 - 14 years	91	80	63	64	57
15 - 19 years	413	358	342	306	224
20 - 24 years	334	379	310	337	268
25 - 34 years	305	397	350	363	343
35 - 44 years	166	200	190	174	172
45 - 54 years	138	163	167	142	134
55 - 64 years	138	152	128	128	113
65 - 74 years	128	116	99	77	97
75 years and over	116	105	95	85	96
Not Stated	10	9	9	5	8
TOTALS	**1,950**	**2,076**	**1,849**	**1,774**	**1,589**
AGE OF PERSONS KILLED, PEDESTRIANS					
0 - 4 years	21	18	16	11	7
5 - 9 years	37	38	29	22	30
10 - 14 years	27	35	22	19	24
15 - 19 years	32	36	47	29	29
20 - 24 years	35	30	35	32	26
25 - 34 years	39	45	44	45	38
35 - 44 years	25	27	17	26	23
45 - 54 years	24	29	36	26	17
55 - 64 years	28	32	22	28	23
65 - 74 years	30	28	34	16	28
75 years and over	45	30	32	30	25
Not Stated	5	3	4	3	4
TOTALS	**348**	**351**	**338**	**287**	**274**
AGE OF DRIVERS INVOLVED					
15 years and under	23	15	15	23	16
16 years	81	70	57	49	31
17 years	94	124	107	91	95
18 - 19 years	340	248	243	213	162
20 - 24 years	531	605	513	537	419
25 - 34 years	615	686	616	584	577
35 - 44 years	315	354	348	295	302
45 - 54 years	237	266	241	198	228
55 - 64 years	198	204	188	164	145
65 years and over	186	172	130	123	160
Not Stated	52	57	61	68	57
TOTALS	**2,672**	**2,801**	**2,519**	**2,345**	**2,192**
PEDESTRIAN ACTION					
Crossing at intersection	50	43	56	42	35
Crossing not at intersection	180	147	131	99	105
In road with traffic	13	33	32	46	29
In road against traffic	2	7	5	3	7
Standing or lying in road	62	62	62	45	52
Pushing or working on vehicle	6	8	2	8	6
Other working in road	0	1	2	0	2
Playing in road	3	3	2	0	8
In road for other reasons	11	6	3	1	4
Not in road	21	41	40	42	25
Other or not stated	0	0	3	1	1
TOTALS	**348**	**351**	**338**	**287**	**274**

FATAL ACCIDENTS AND PERSONS KILLED FOR SELECTED HOLIDAY PERIODS IN MICHIGAN

Holiday	Fatal Accidents	Persons Killed
MEMORIAL DAY		
1981 (3)	9	12
1980 (3)	23	23
1979 (3)	15	17
1978 (3)	22	25
1977 (3)	30	32
FOURTH OF JULY		
1981 (3)	18	22
1980 (3)	25	25
1979 (1)	12	12
1978 (4)	23	23
1977 (3)	31	34
LABOR DAY		
1981 (3)	16	17
1980 (3)	24	26
1979 (3)	24	31
1978 (3)	26	31
1977 (3)	16	18
THANKSGIVING		
1981 (4)	12	13
1980 (4)	28	32
1979 (4)	23	27
1978 (4)	25	29
1977 (4)	29	32
CHRISTMAS		
1981 (3)	14	15
1980 (4)	21	23
1979 (4)	26	29
1978 (3)	22	31
1977 (3)	12	14
NEW YEARS		
1981 (3)	12	17
1980 (4)	18	21
1979 (4)	23	27
1978 (3)	7	7
1977 (3)	13	15

Summary for 1981

This schedule shows the traffic death tolls in Michigan for the past five years for the major holiday periods.

Based on the total 1981 experience, the average daily deaths were 4.3 persons per day.

All weekend deaths, Saturdays and Sundays, plus six hours of the preceding Friday, totaled 697 which is an average of 13.4 deaths per weekend.

From experience, it is evident that Michigan's highways have their share of tragedies.

Figures in parentheses show number of full days in each holiday period. Deaths are for these days plus the last six hours of the preceding day.

MOTOR VEHICLE TRAFFIC ACCIDENT AND RELATED DATA

Year	Deaths	Injuries	Accidents	Estimated Mileage (Millions)	Motor Vehicle Registrations*	Death Rate**
1933	1,278	–	–	8,430.0	1,083,057	15.2
1934	1,511	–	–	9,080.0	1,155,453	16.6
1935	1,676	–	–	9,980.0	1,246,690	16.8
1936	1,924	–	–	12,280.0	1,382,571	15.7
1937	2,175	31,141	92,230	13,668.0	1,514,960	15.9
1938	1,454	22,891	71,114	12,872.8	1,416,514	11.3
1939	1,580	28,465	91,965	14,062.7	1,482,485	11.2
1940	1,730	34,247	116,154	15,132.3	1,563,635	11.4
1941	2,133	40,708	133,236	17,043.5	1,717,449	12.5
1942	1,325	28,967	100,125	13,900.3	1,626,861	9.5
1943	992	21,988	71,450	10,530.0	1,542,798	9.4
1944	1,034	23,401	72,013	10,651.0	1,505,246	9.7
1945	1,150	27,755	83,160	11,915.6	1,483,466	9.7
1946	1,470	34,479	110,631	16,191.1	1,619,541	9.1
1947	1,447	38,195	137,619	17,661.1	1,850,274	8.2
1948	1,512	40,892	140,172	19,069.2	2,030,685	7.9
1949	1,441	41,647	143,197	19,990.4	2,203,375	7.2
1950	1,605	45,734	161,750	21,494.5	2,439,593	7.5
1951	1,640	48,418	176,587	22,668.1	2,560,652	7.2
1952	1,736	49,119	160,829	23,093.1	2,586,834	7.5
1953	1,905	57,834	184,174	25,346.9	2,808,921	7.5
1954	1,793	56,444	185,534	26,041.2	2,889,740	6.9
1955	2,016	62,234	196,812	28,282.5	3,149,323	7.1
1956	1,746	61,158	197,995	28,429.3	3,174,704	6.1
1957	1,548	60,067	191,915	29,252.2	3,256,150	5.3
1958	1,382	57,767	177,934	29,411.3	3,157,441	4.7
1959	1,473	64,873	198,771	30,679.0	3,252,492	4.8
1960	1,604	91,026	209,724	31,842.4	3,352,234	5.0
1961	1,567	93,350	199,973	32,101.5	3,395,736	4.9
1962	1,574	108,143	233,078	34,498.0	3,498,758	4.6
1963	1,887	126,896	261,794	36,452.2	3,646,080	5.2
1964	2,122	144,623	284,444	38,617.6	3,860,791	5.5
1965	2,136	155,258	310,598	40,857.4	4,066,826	5.2
1966	2,298	156,694	302,880	43,940.1	4,133,199	5.2
1967	2,137	151,297	299,004	45,053.6	4,161,573	4.7
1968	2,392	160,413	305,495	48,047.4	4,327,885	5.0
1969	2,487	175,400	331,223	50,904.9	4,560,097	4.9
1970	2,177	161,719	313,715	53,148.1	4,683,919	4.1
1971	2,152	157,664	314,015	55,539.7	4,835,146	3.9
1972	2,258	178,929	359,745	57,817.1	5,160,985	3.9
1973	2,213	169,485	350,864	58,478.4	5,442,233	3.8
1974	1,875	141,132	324,763	55,748.7	5,652,406	3.4
1975	1,811	147,299	333,560	56,260.5	5,744,441	3.2
1976	1,955	162,894	365,600	61,638.0	5,861,908	3.2
1977	1,950	166,389	374,751	64,853.0	6,138,732	3.0
1978	2,076	169,202	389,193	67,380.0	6,436,365	3.1
1979	1,849	162,571	366,435	64,882.3	6,536,246	2.9
1980	1,774	144,972	314,594	61,190.1	6,570,735	2.9
1981	1,589	136,455	302,831	62,000.0	6,140,286	2.6

*Excludes trailers and trailer coaches.
**Deaths per 100 million miles of travel.